Agenek

Your Personalized Skincare Report

Introduction

Dear Jane Demo,

Thank you for choosing Agenek for your skincare journey. This is a demo report designed to give you a preview of what you can expect from our RNA-based skin analysis. Inside, you'll find sample results and explanations that illustrate how we interpret gene expression to uncover your skin's real-time biological activity.

In your actual report, you'll receive personalized insights based on your own skin sample, including detailed interpretations of how your skin is functioning on a molecular level. You'll also get targeted product recommendations designed to support your specific needs, whether it's improving hydration, calming sensitivity, or addressing early signs of aging.

Our approach goes beyond surface-level assessments. By analyzing RNA, we capture what your skin is doing right now, not just what it's predisposed to. This allows for a more accurate and responsive skincare strategy.

We invite you to explore this demo and see how our science-driven approach can help guide you toward healthier, more resilient skin.

Warm regards,

The Agenek Team

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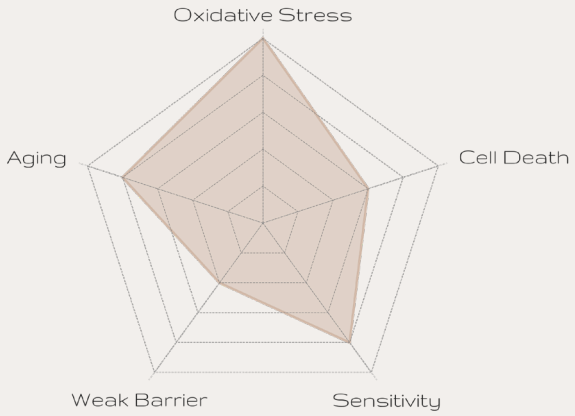
Summary of Results

Overview



Your Current Skin State

Your results show signs of reduced collagen activity, which may contribute to early aging at the molecular level. At the same time, elevated markers of inflammation and oxidative stress suggest your skin is actively responding to environmental or internal challenges.These biological markers contributed to your calculated skin age of 45, which is significantly higher than your actual age of 33, indicating a need to restore balance and boost skin regeneration.

Your Skin Summary

Biological/Actual Age	45/33
Aging	Elevated
Weak Barrier	Mild
Oxidative Stress	Exceeding
Sensitivity	Elevated
Cell Death	Moderate

Recommendations

Based on your results, we've selected products that help support collagen production, calm inflammation, and reduce oxidative stress. These targeted solutions are designed to address early signs of aging and sensitivity, while working within your skin's current barrier capacity. At the end of this report, you'll find a custom routine designed to help address these needs and support your overall skin health.

Understanding Your Facial Skin

Your Skin's Unique Genetic Profile

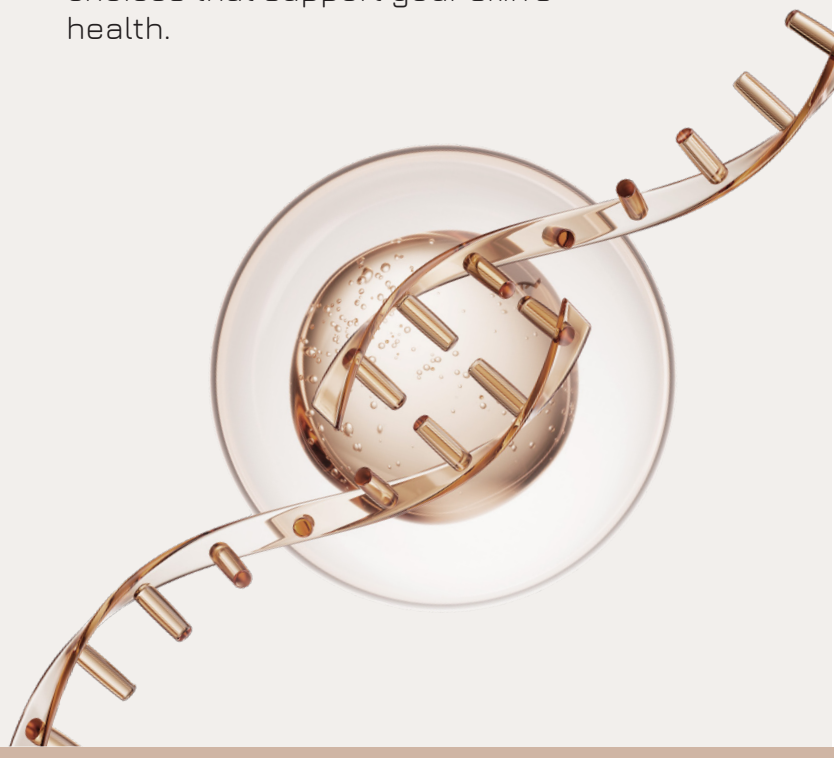
Your skin's characteristics are influenced by the activity of specific genes that regulate collagen production, hydration, oil balance, sensitivity, and pigmentation. By analyzing your RNA, we can assess how these genes are expressed in real time, offering a dynamic view of your skin's current needs. This approach helps provide more accurate and personalized skincare recommendations tailored to your unique biology.

Why Personalized Skincare Matters

Traditional skincare relies on generalizations, but your skin's needs are unique. By identifying your gene expression patterns, we can recommend products and routines that work with your biology. This science-backed approach helps you avoid trial and error, saving time and ensuring your skincare is truly effective.

How RNA Affects Your Skin

Unlike DNA, which remains constant, gene expression (RNA) can change in response to factors like age, lifestyle, and environment. This means your skin's hydration levels, oil production, and sensitivity can shift over time. Understanding these changes allows for a more targeted approach to skincare, helping you make informed choices that support your skin's health.



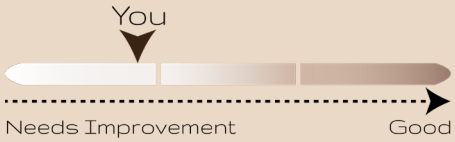
Collagen Type 1

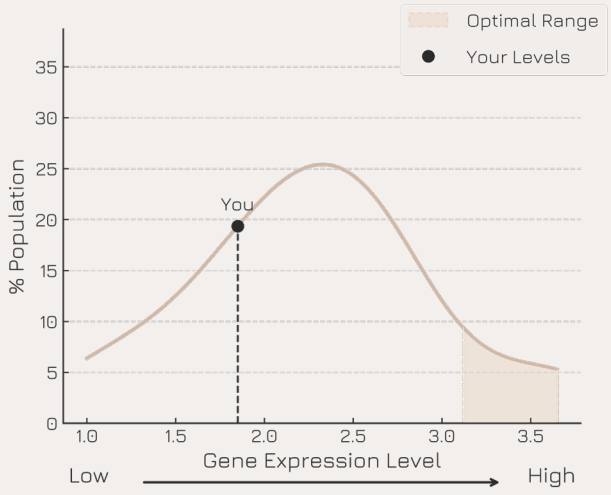
Gene: COL1A1
Skin Condition: Aging

COL1A1 encodes type I collagen, the main structural protein in skin that maintains firmness and elasticity. Its expression supports dermal integrity and helps resist wrinkle formation. As collagen production naturally declines with age, COL1A1 levels can reveal insights into skin aging on a molecular level.

Your Results

Your levels are **Below Average**





Your COL1A1 expression is lower than average, suggesting reduced collagen synthesis in the skin. This may reflect early molecular signs of aging, even if not yet visible on the surface. Ideally, higher levels of COL1A1 RNA are desirable, as they support greater collagen production and contribute to firmer, more youthful-looking skin. Skincare aimed at stimulating collagen-related pathways may help improve this balance.

Note: Other genes not included in this analysis may also influence your skin's condition and response.

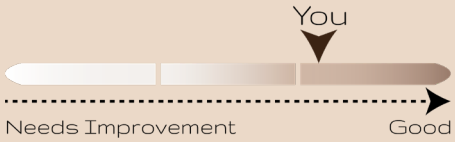
Filaggrin

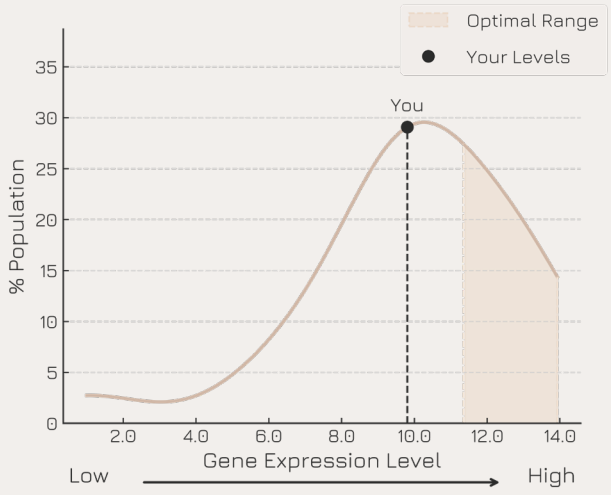
Gene: FLG
Skin Condition: Skin Barrier

FLG encodes filaggrin, a key protein that binds and compacts skin cells to form a strong barrier. It plays a vital role in retaining moisture and preventing entry of irritants or allergens. Altered FLG levels are often associated with dryness, flakiness, or barrier dysfunction.

Your Results

Your levels are **Above Average**





Your FLG expression is higher than average, indicating strong production of filaggrin. This suggests your skin is well-equipped to retain moisture and defend against environmental irritants. Higher levels of FLG RNA are associated with better barrier integrity, reduced sensitivity, and more resilient skin. This is a favorable result for overall skin health and hydration.

Note: Other genes not included in this analysis may also influence your skin's condition and response.

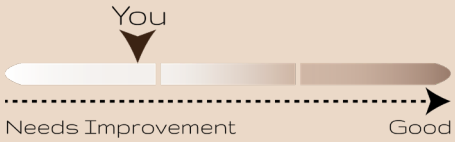
Interleukin-6

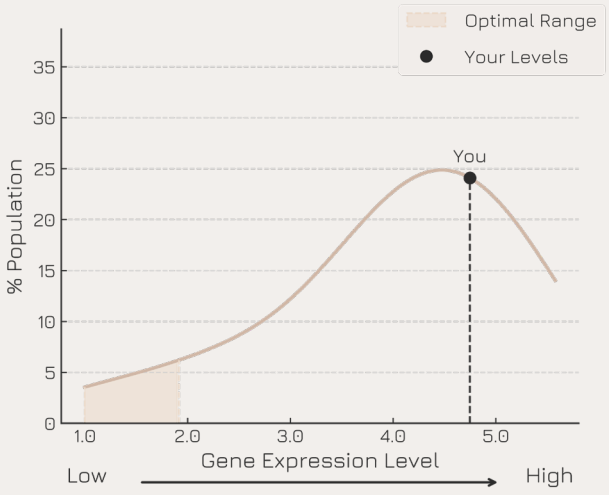
Gene: IL-6
Skin Condition: Sensitivity

IL-6 encodes interleukin-6, a pro-inflammatory cytokine that regulates immune responses in the skin. Its expression increases in response to environmental stress, injury, or irritation. Chronically high IL-6 levels are often linked to redness, sensitivity, or inflammatory skin conditions.

Your Results

Your levels are **Above Average**





Your IL-6 expression is higher than average, pointing to a more reactive or inflammation-prone skin profile. This could mean your skin is more sensitive to environmental stressors like pollution or cosmetic ingredients. Elevated IL-6 levels may reflect a tendency toward irritation or immune activation. Targeted skincare focused on calming inflammation and reducing sensitivity may help bring the skin back to a more balanced state.

Note: Other genes not included in this analysis may also influence your skin's condition and response.

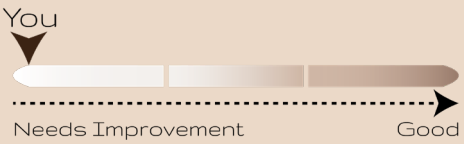
Heme Oxygenase-1

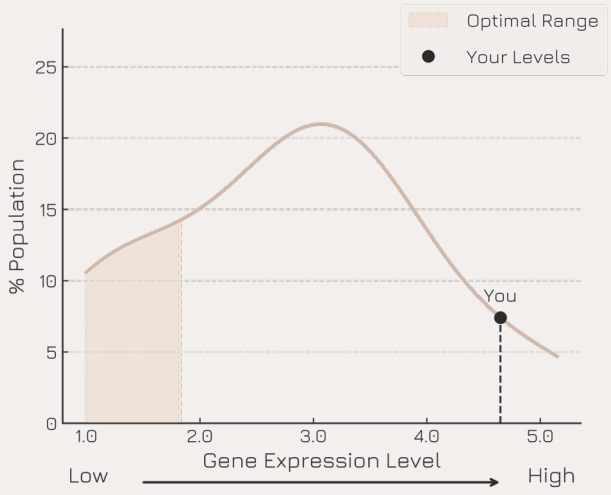
Gene: HMOX1
Skin Condition: Oxidative Stress

HMOX1 encodes the enzyme heme oxygenase-1, which is activated in response to oxidative stress in the skin. It plays a protective role by breaking down pro-oxidant molecules and supporting the skin's antioxidant defenses. Higher expression of this gene indicates that the skin is reacting to oxidative damage, such as from UV exposure or pollution.

Your Results

Your levels are **High**





Your HMOX1 expression is higher than average, indicating that your skin is currently experiencing oxidative stress. HMOX1 is an antioxidant response gene that becomes more active when the skin is exposed to factors like UV light, pollution, or internal stress. Elevated levels suggest that your skin is actively working to defend itself against oxidative damage, which can contribute to premature aging if left unchecked.

Note: Other genes not included in this analysis may also influence your skin's condition and response.

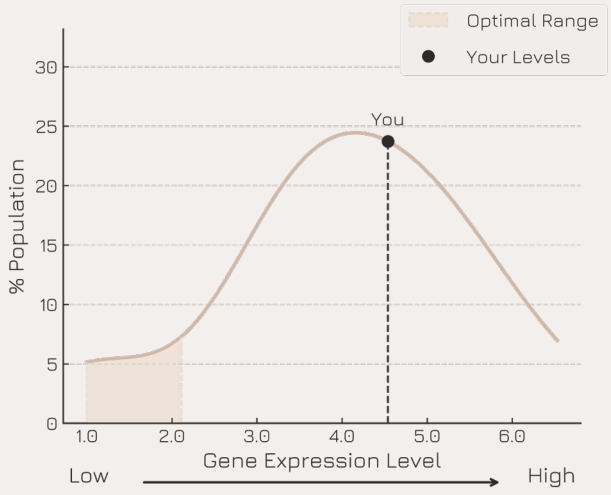
NOXA

Gene: PMAIP1
Skin Condition: Cell Death

PMAIP1 (also known as NOXA) encodes a protein involved in initiating apoptosis, the process of programmed cell death that helps remove damaged or stressed cells. This gene is activated when the skin experiences internal stress. Elevated expression of PMAIP1 typically indicates that the skin is responding to stress by clearing compromised cells.

Your Results

Your levels are **Average**



Your PMAIP1 expression is within the average range, reflecting a moderate level of cell death activity in response to internal stress. Given that oxidative stress levels are elevated, this result may indicate early biological effects such as the removal of damaged cells. While not excessive, reducing cell stress and minimizing unnecessary cell death could help preserve skin structure and promote longer-term resilience.

Note: Other genes not included in this analysis may also influence your skin's condition and response.

Product Recommendations

info@agenek.com

Agenek

Tel: 1-800-313-2092

Client Name: Jane Demo
Test Name: SkinTrack
DOB: 01-Jan-92
Gender: Female

Client ID: 2000001
Date Collected: 01-Jul-24
Sample ID: 100001

Custom Skincare Routine - Morning

Step	Product	Notes
Cleanser		
Toner		
Serum		
Eye Cream		
Moisturizer		
Sunscreen		

Note: Bolded products contain active ingredients specifically selected based on your gene expression profile. You can use as many of the suggested products as you'd like and adjust your routine to fit your lifestyle and preferences. You can also substitute products with the alternate recommendations provided.

Custom Skincare Routine - Evening

Step	Product	Notes
Remover		
Cleanser		
Toner		
Serum		
Eye Cream		
Moisturizer		

Note: Bolded products contain active ingredients specifically selected based on your gene expression profile. You can use as many of the suggested products as you'd like and adjust your routine to fit your lifestyle and preferences. You can also substitute products with the alternate recommendations provided.

Alternative Products

info@agenek.com

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Tel: 1-800-313-2092

Client Name: Jane Demo
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Gender: Female

Client ID: 2000001
Date Collected: 01-Jul-24
Sample ID: 100001

Next Steps & Ongoing Care

Tracking Your Skin's Changes

Your gene expression reflects your skin's current state, which means it can shift over time due to skincare, diet, and external factors. Biological changes in your skin often occur before visible differences can be detected. By monitoring these molecular changes, you can proactively adjust your skincare routine before issues become more apparent.

When to Re-Test

For the most accurate and up-to-date insights, we recommend re-testing every 3 to 4 months. This allows you to track whether your skincare choices are effectively supporting your skin's needs and adjust accordingly. If you've made significant changes to your routine or lifestyle, a follow-up test can confirm whether those adjustments are making a measurable difference.

How to Make the Most of Your Results

Your personalized report offers a science-backed foundation for making informed skincare decisions. Whether you're selecting new products, adjusting treatments, or considering professional skincare services, these insights provide valuable guidance. You can also share your results with a dermatologist, esthetician, or skincare specialist, ensuring their recommendations align with your skin's biological needs for a truly customized approach.

Disclaimer:

This demo report is for illustrative purposes only and does not reflect real client data. In actual reports, RNA expression results represent a snapshot of your skin's biological activity at the time of sampling and may change over time due to lifestyle, environment, and skincare routine. The specific genes shown in this sample report may differ from those included in client reports, as our testing panel may evolve based on ongoing research and product development. All product recommendations are informational and should not be considered medical advice. For personalized skincare guidance, please consult with a licensed professional.