

# Your Genetic Skincare Report

## A story written by your DNA

### Summary: The Story of Your Skin

GENETIC PROFILE SUMMARY Your DNA analysis revealed 4 significant genetic variants that influence your skin health: • 2 high-priority variants requiring specific attention • 1 moderate-impact variants to consider • 1 lower-impact variants identified Key Areas Affected: Acne, Antioxidant, Inflammation, Pigmentation What This Means For You: Based on your genetic profile, your skin care routine should focus on: • Inflammation: Immune Activity, Inflammatory Response • Pigmentation: Melanin Production • Antioxidant: Antioxidant Capacity • Acne: Sebum Production

### Your Genetic Mutations

Gene	rsID	Alleles	Impact
SLC45A2	rs16891982	G/G	Influences melanin production and pigmentation
SOD2	rs4880	A/G	Modulates oxidative stress response; impacts UV-induced damage
IL6	rs1800795	C/C	Influences inflammatory response; linked to acne/rosacea
CYP17A1	rs743572	A/G	Regulates androgen synthesis; influences sebum production

### Skin Characteristics Affected

#### *SLC45A2 (Pigmentation)*

- - **Melanin Production:** Modulates - Ability to produce and distribute melanin pigment in response to UV exposure

#### *SOD2 (Antioxidant)*

- - **Antioxidant Capacity:** Modulates - Ability to neutralize free radicals and oxidative stress

#### *IL6 (Inflammation)*

- - **Inflammatory Response:** Increases - Tendency to develop inflammatory reactions in the skin
- **Immune Activity:** Modulates - Immune system activity in the skin

### ***CYP17A1 (Acne)***

- - **Sebum Production:** Modulates - Rate and quality of natural oil production

## **Ingredient Recommendations**

### ***Prioritize These***

- - **Resveratrol:** Provides antioxidant support
- **Green Tea Extract:** Provides antioxidant support
- **Vitamin E (Tocopherol):** Provides antioxidant support
- **Vitamin C (L-Ascorbic Acid):** Provides antioxidant support
- **Azelaic Acid:** Reduces inflammation and soothes skin
- **Zinc Oxide:** Reduces inflammation and soothes skin
- **Centella Asiatica:** Reduces inflammation and soothes skin
- **Niacinamide:** Reduces inflammation and soothes skin

### ***Approach With Caution***

- - **High-concentration Vitamin C:** May cause oxidative stress in sensitive individuals
- **Unstable Antioxidants:** Can become pro-oxidant in certain conditions
- **High-concentration AHAs:** May trigger excessive inflammation in sensitive individuals
- **Benzoyl Peroxide:** Can cause increased inflammation in sensitive skin
- **Synthetic Fragrances:** Common trigger for sensitive skin reactions
- **Chemical Sunscreen Filters:** May cause reactions in sensitive individuals