



**Enantis**

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# Hyperstable Polypeptides

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Skincare  
& Haircare

- ✓ **Active ingredients**
- ✓ **Long-lasting performance**
- ✓ **No stabilizing additives**
- ✓ **No skin irritation**
- ✓ **Cost-effective**
- ✓ **Patented**



# FGF2-STAB<sup>®</sup> for skincare

The future of anti-aging  
cosmetics



Enantis introduces **hyperstable polypeptides**.  
Cutting-edge bioactive ingredients designed to deliver  
**revolutionary longevity effect** for more than 2 years.

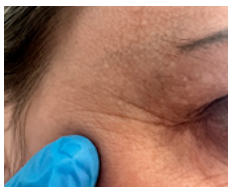
**Traditional growth factors lose activity within two weeks,  
so by the time they reach consumers, they no longer provide  
any real benefits.**

## CLINICAL EFFICACY DATA

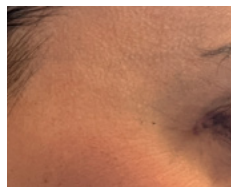


**VISIBLE SKIN  
REJUVENATION**

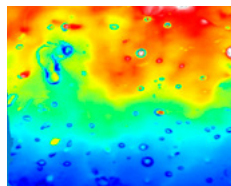
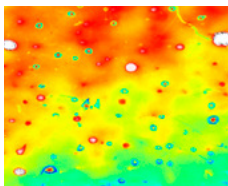
Before



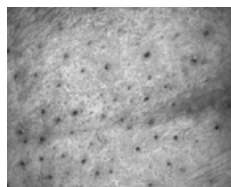
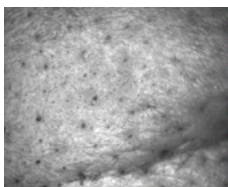
After 2 months



**ADVANCED WRINKLE  
CORRECTION**



**SKIN RELIEF  
NORMALIZATION**



# FGF2-STAB® BENEFITS

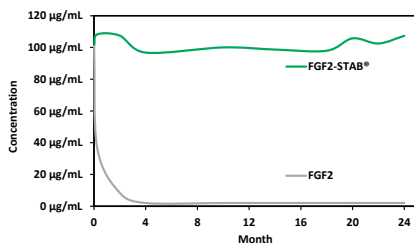
- ✓ Unparalleled stability
- ✓ Enhanced wrinkle reduction
- ✓ Deep hydration and skin softening

FGF2-STAB® can be used in cosmetic formulations such as creams, gels, masks, etc. The recommended concentration of FGF2-STAB® in the final formulation is 0.1-1% (1-10 ug/ml).



FGF2-STAB® outperforms native forms of growth factors due to its significantly improved stability.

## Superior long-term stability at room temperature



Concentration of native FGF2 drops rapidly in 2 weeks, while FGF2-STAB® is stable for > 2 years at 25°C in aqueous solution.

## FGF2-STAB® VS NATIVE FGF2 COMPARISON

	FGF2	FGF2-STAB®	FGF2-STAB® BENEFITS
ACTIVITY AT 37°C	<10 hours	>20 days	More stable during biological processes
STABILITY AT 25°C	<1 month	>2 years	Stable for a longer period (transportation and storage)
ACTIVITY (ED <sub>50</sub> )	5.0 ng/ml	1.1 ng/ml	Lower concentration required (reduced costs)
MELTING TEMP.	54 °C	73 °C	Stable at higher temperature (heating during production)

## FGF2-STAB® SPECIFICATION

INCI:	AQUA, SODIUM CHLORIDE, DIPOTASSIUM PHOSPHATE, MONOPOTASSIUM PHOSPHATE, SH-POLYPEPTIDE-1
SOURCE	Microbial fermentation in bacteria
APPEARANCE:	Colourless aqueous solution
BUFFER:	250 mM NaCl, 16.4 mM K <sub>2</sub> HPO <sub>4</sub> , 3.6 mM KH <sub>2</sub> PO <sub>4</sub> , pH 7.5
PH RANGE:	5.5-7.5

# FGF10-STAB<sup>®</sup> for haircare

The king of hair growth products

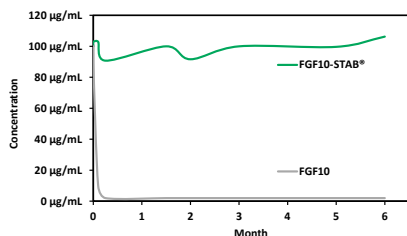


Hyperstable polypeptide FGF10-STAB is a **bioactive molecule essential for hair follicle development and regeneration**. It enhances keratinocyte proliferation, activates dermal papilla cells, and supports hair follicle stem cell differentiation. As a result, **FGF10-STAB promotes hair growth, increases hair density, and improves overall scalp health**.

## FGF10-STAB<sup>®</sup> BENEFITS

- ✓ Enhances hair follicle activity
- ✓ Elongates anagen phase of hair cycle
- ✓ Activates keratinocytes
- ✓ Reduces microinflammation that causes hair loss

## Superior long-term stability at elevated temperature



Concentration of FGF10 drops rapidly in 1 week, while FGF10-STAB<sup>®</sup> is stable for > 6 months at 40 °C in aqueous solution.

**Ongoing 2-year long-term stability testing at 25 °C (> 8 months)**

### FGF10-STAB<sup>®</sup> SPECIFICATION

<b>INCI:</b>	AQUA, SODIUM CHLORIDE, DIPOTASSIUM PHOSPHATE, MONOPOTASSIUM PHOSPHATE, SH-POLYPEPTIDE-10
<b>SOURCE</b>	Microbial fermentation in bacteria
<b>APPEARANCE:</b>	Colourless aqueous solution
<b>STABILITY:</b>	> 8 months



# 2024 BRKTHRU VOICES

PRIZE FOR THE MOST  
INNOVATIVE TECHNOLOGY

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**NEW**

**NIV**

**INCUBATION**

ESTÉE LAUDER COMPANIES

**VENTURES**



# Enantis

Enantis is an innovative biotech company based in Brno, Czech Republic. We support progressive biotechnologies by engineering improved proteins to create healthier and more sustainable future.

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