

ISP

BIOPEPTIDES



Vinciense
ACTIVES

Peptide Vinci 02™ IS

Description

Fibronectin peptide for skin remodeling and repair.

PEPTIDE VINCI 02 IS is a patented synthetic biomimetic fibronectin peptide.

Fibronectin is a skin matrix glycoprotein providing a structural framework and biochemical signals that control cellular functions such as adhesion, differentiation and migration.

PEPTIDE VINCI 02 IS is homologous to a 6-amino acid-sequence present in the type III unit of the fibronectin molecule.

PEPTIDE VINCI 02 IS reinforces cell adhesion to the extracellular matrix (ECM) and thereby promotes matrix remodeling and skin repair.

Properties

- Promotes dermal repair
- Stimulates extracellular matrix protein synthesis *in-vitro*
- Demonstrates a significant plumping, hydrating, and smoothing effect on the lips (*in-vivo*)

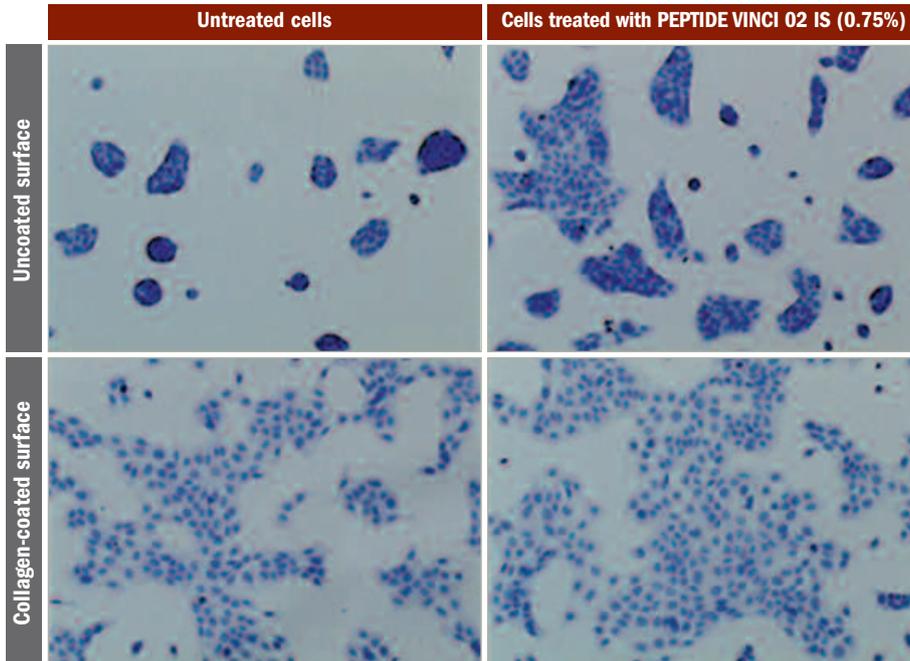
Cosmetic applications

- Skin-repair and anti-aging products
- Men's products: day creams, after-shaving products
- Body-firming products, stretch-mark prevention
- Facial treatments after-peeling, dermabrasion, protecting balms, cold creams
- Lip treatments (creams, gels), lip sticks
- Sun care products
- Hand care products

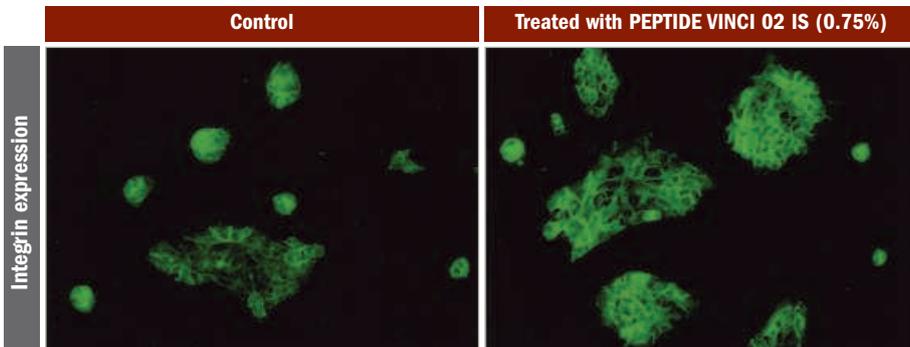
In-vitro efficacy

1. PEPTIDE VINCI 02 IS increases cell adhesion

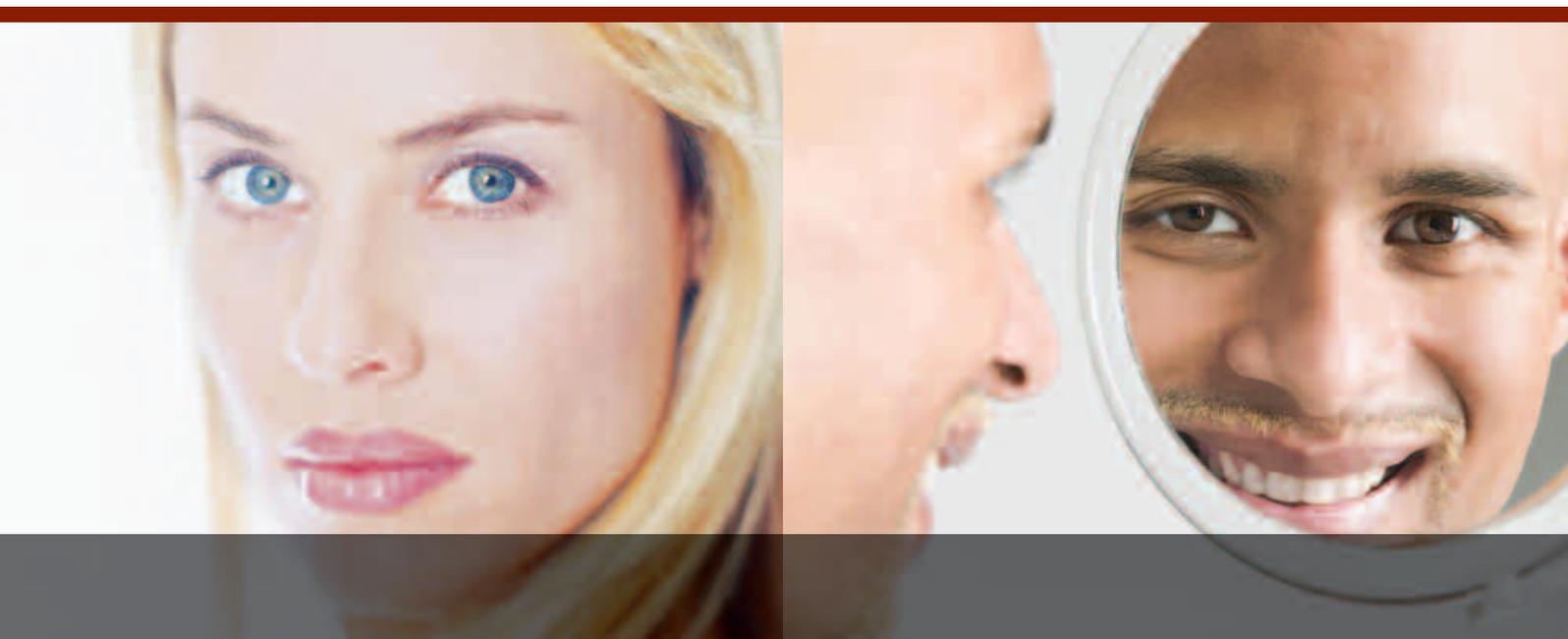
Application of PEPTIDE VINCI 02 IS on cultured keratinocytes enhances cell adhesion. This effect is further improved on collagen-coated surfaces where an even spreading of cells is observed.



2. PEPTIDE VINCI 02 IS increases integrin expression



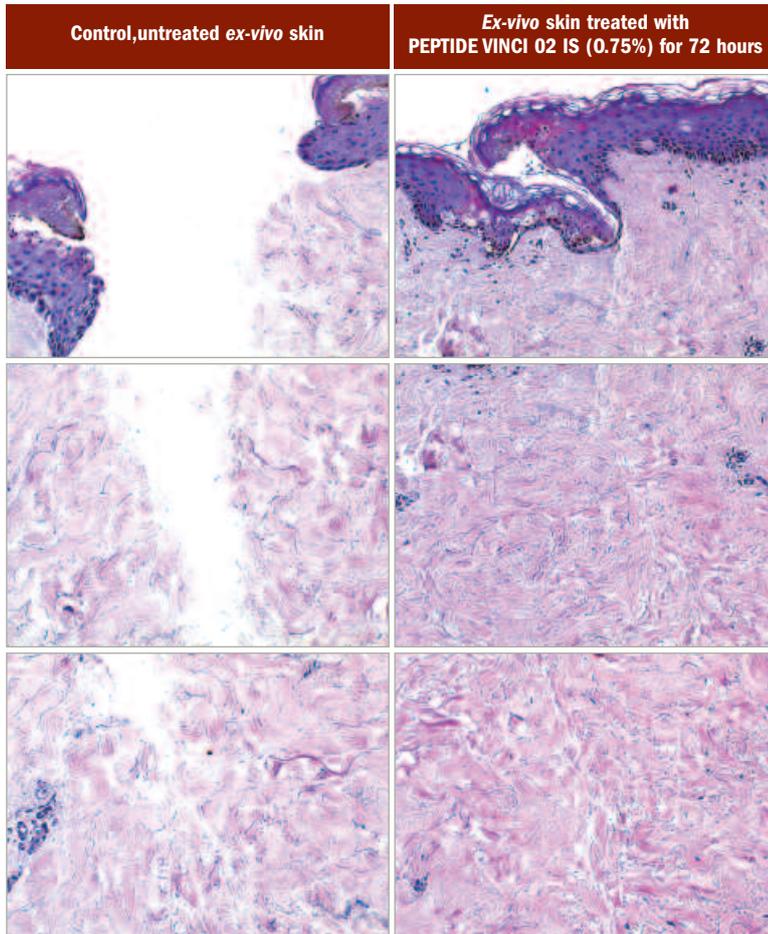
PEPTIDE VINCI 02 IS increases integrin expression, promoting a better anchoring of the cells on the extracellular matrix and providing a signal for skin remodeling and repair.



Ex-vivo efficacy

PEPTIDE VINCI 02 IS promotes skin repair

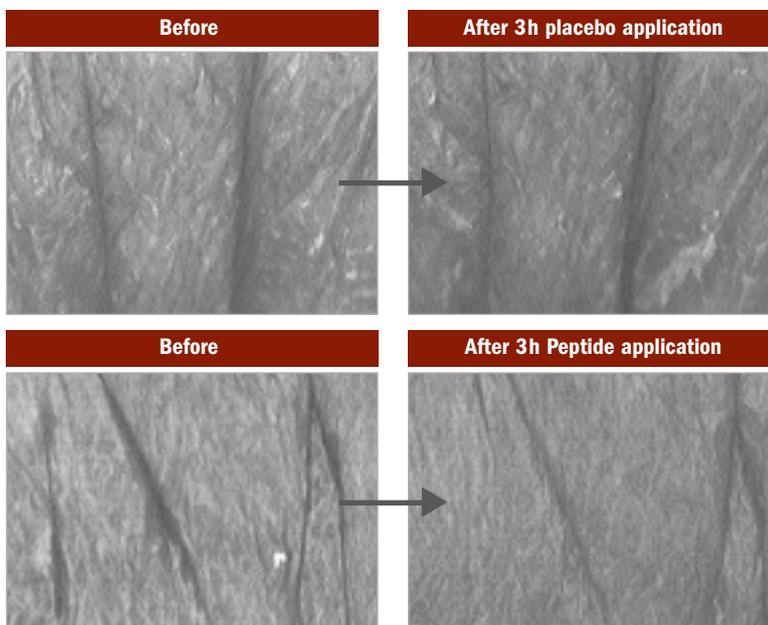
PEPTIDE VINCI 02 IS applied on injured ex-vivo human skin provides a complete regeneration of the dermis, the reconstruction of the dermo-epidermal junction, and the beginning of the reparation of the epidermis.



In-vivo efficacy

PEPTIDE VINCI 02 IS promotes skin hydration, smoothing and plumping

A clinical study on 2 groups of 12 healthy volunteers shows that PEPTIDE VINCI 02 IS formulated in a cream at 0.25% with a booster (ATPEPTIDE IS 0.5%) enhances lip hydration, lip volume and smoothing, providing a rapid and visible plumping effect 3 hours after application on the lips.



	T 1h	T 3h
Plump aspect	+154%*	+158%*
Hydration	+100%~*	+155%*
Smoothness	+425%**	+533%*

~* almost significant * significant ** very significant

Specifications

Form:	Lipid solution
Color:	Colorless
Odor:	Characteristic
Solubility:	Water soluble
Preservatives:	Preservative-free

INCI Name

WATER (AND) BUTYLENE GLYCOL (AND) HEXAPEPTIDE-3

Formulation Guidelines

- Water soluble
- Add to emulsion on cool-down but is thermostable to 80°C
- Avoid formaldehyde donors and parabens
- Recommended use levels: 0.25% - 1%

The above formulation information is for guideline purposes only. Some products may be formulated outside of the parameters of these guidelines. Please contact ISP Vincience for more specific information.



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