

Regeneration with

the Elasticity Architect

Effects

• Reduces the synthesis of elastase, increases the synthesis of elastin and elastin-related proteins, thus reducing the appearance of wrinkles and significantly preventing sagging.

• It has effective wound healing activity.

• It has high antioxidant activity, moisturizes the skin and makes the skin look smooth.

Origin

Developed from Prunella vulgaris (Self-heal) stem cells using ProliCell® Technology.



What is ProliCell[®] Technology?

ProliCell[®] Technology enables to benefit the effects of plant stem cells and small RNAs in their vesicles. **Effect Mechanism**

ProliCell® Prunella contains enriched stem cell components and stem cell specific exogenous small RNAs thanks to the elicitor application.

What is the effect of small RNA?

Small RNAs, including miRNA are non-coding RNA fragments, which regulate the post-transcriptional silencing of target genes. Plant small RNAs may exert similar functions in both human and plant. This provides exogenous plant small RNAs to play a key role on the physiological function of the human body, including the skin.

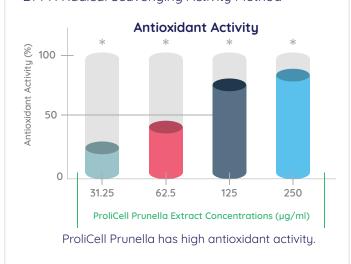


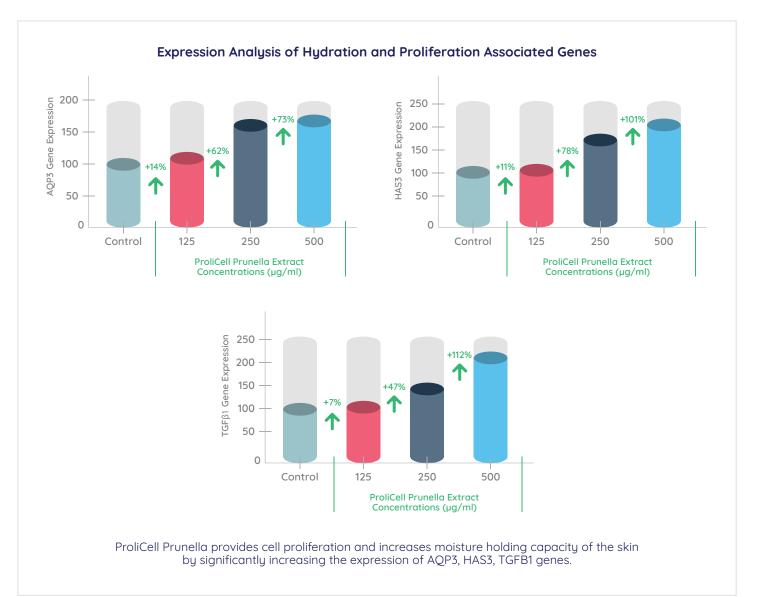
Activity Tests

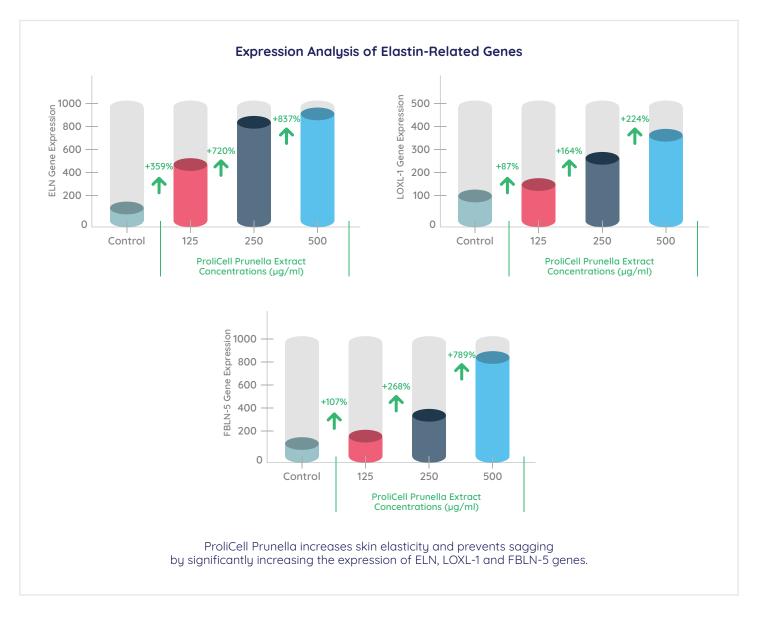
In vitro Tests

Cell line: Human normal fibroblast cell **Test ingredient:** 250 ve 500 µg/mL ProliCell Prunella extract **Parameter:** Analysis of expressions of hydration and proliferation-related genes by RT-qPCR, Analysis of expression of elastin-related genes by RT-qPCR, Determination of wound healing activity For gene and protein expression analysis, fibroblast cells were incubated with ProliCell Prunella extract concentrations for 24 hours.

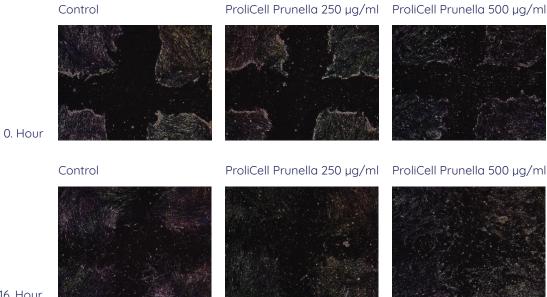
Chemical Activity Test: DPPH Radical Scavenging Activity Method







Determination of Wound Healing with the Scratch Assay Method



16. Hour

ProliCell Prunella accelerates wound healing by increasing fibroblast migration.

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Effect Mechanism



- Shows high antioxidant activity.
- Shows anti-sagging activity by activating
- elastin synthesis and elastin-related genes.
- Increases the moisture holding capacity of the skin.
- Shows wound healing activity.



Cosmetic Uses

- Anti-sagging Products
 (Face and Skin Care Products)
 Wound Healing Products
- (Face and Skin Care Products)





Features



Origin: Herbal Appearance: Viscous cell lysate suspension Color: Dark Brown Fragrance: Characteristic Usage: Add below 40°C in cold-hot processes.



INCI Name: Glycerin, Prunella vulgaris Leaf Extract, Xanthan Gum. Usage rate: 2-5% Solubility: Water-soluble Preservative: No preservative pH: 4.0-7.0





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