

식물유래추출물 & 엑소좀

Plant Callus Extract & Exosome

Castor bean



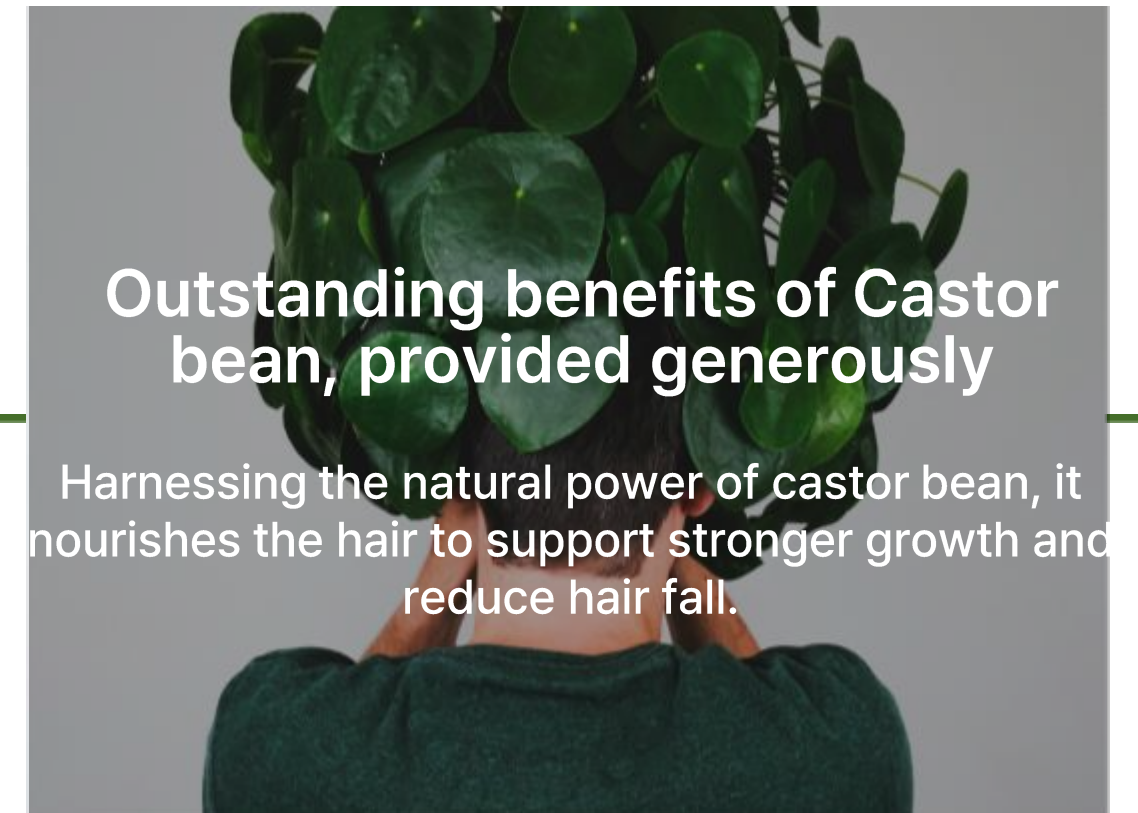
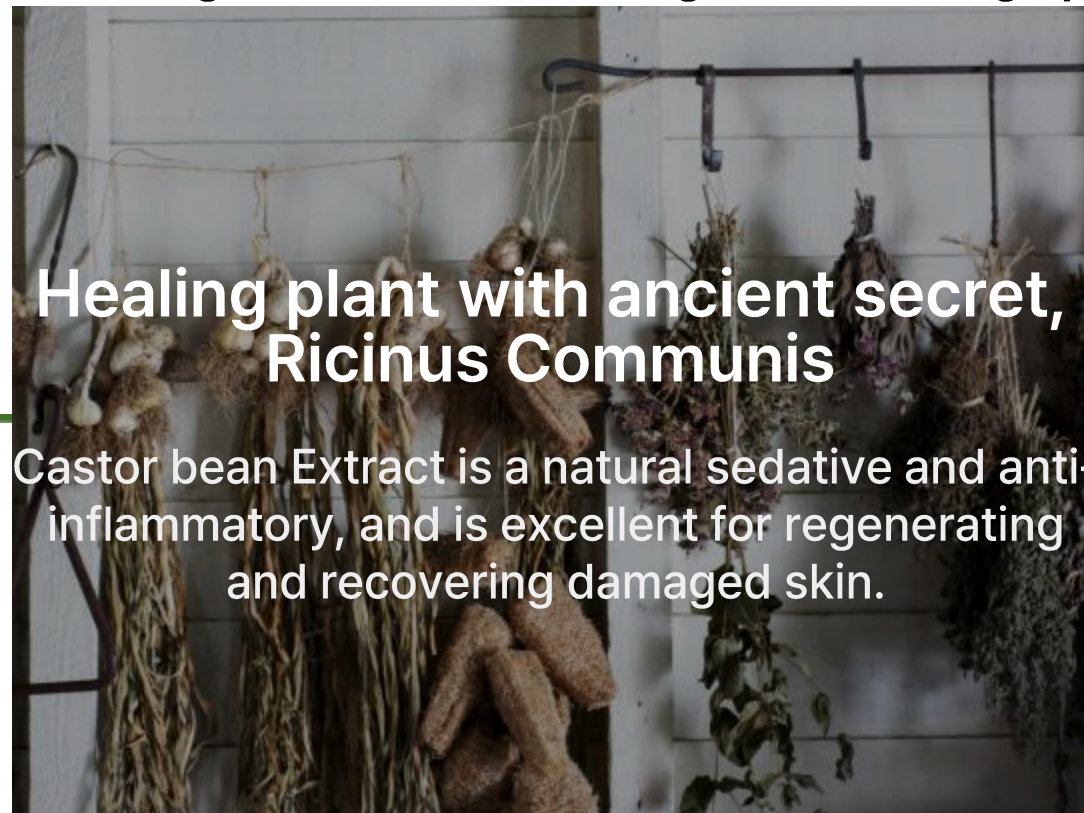
Miracle of nature filled with dangerous fun, Secret of "Castor bean"

- It helps regenerate damaged skin and helps heal wounds.
- It is effective in improving skin tone by suppressing melanin synthesis.
- It supplies moisture to the skin and maintains natural moisture balance.
- It helps prevent hair loss.

- Scientific name : Ricinus Communis
- Export information : Available for export to China and Japan
- Package size : 1kg

KEY POINT

#Skin regeneration #Whitening #Moisturizing #preventing hair loss



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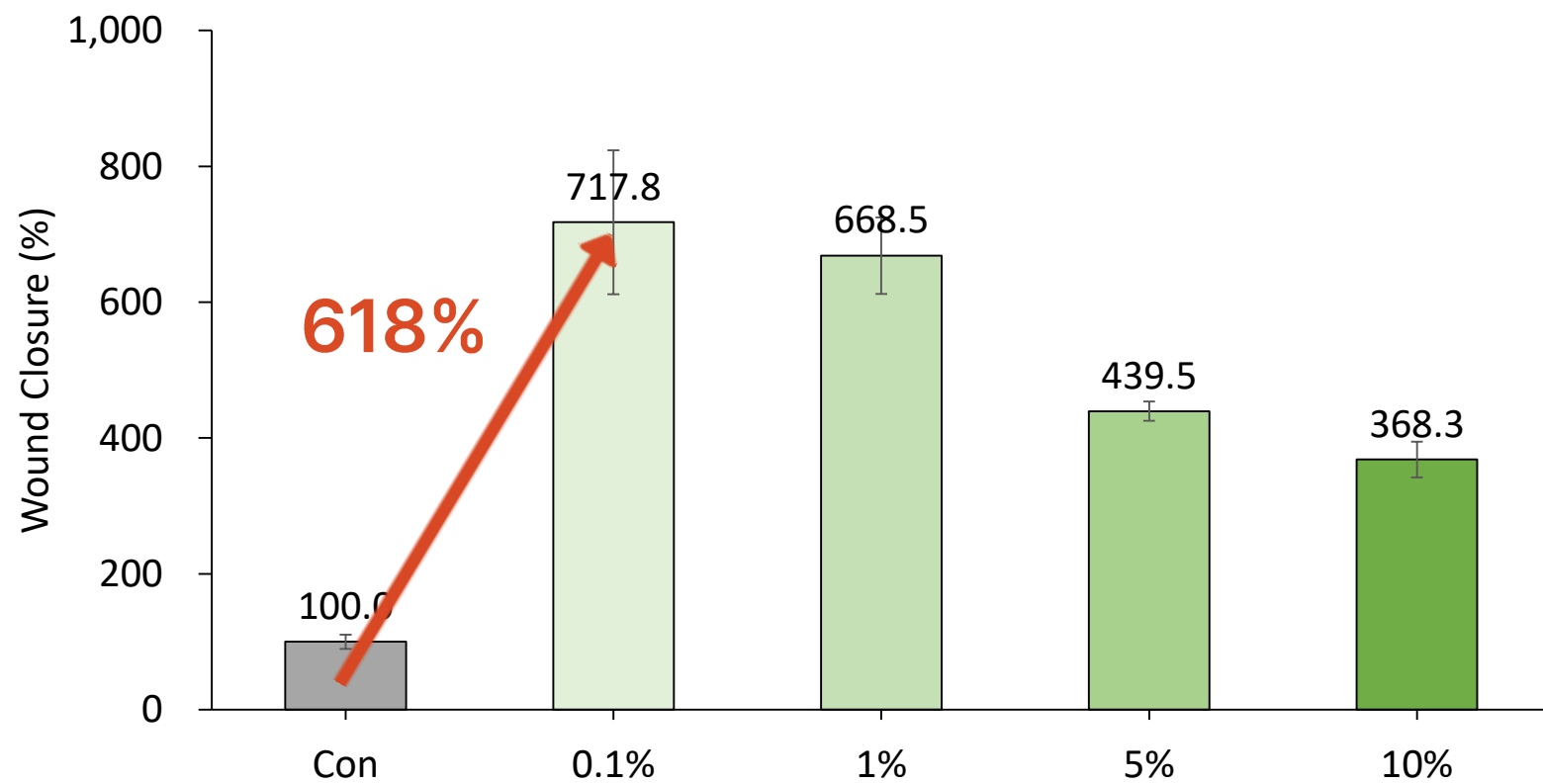
INCI : Ricinus Communis (Castor) Root Extract

Cellular efficacy of Castor Bean Extract

- Cell regeneration, Anti-inflammation, Whitening -

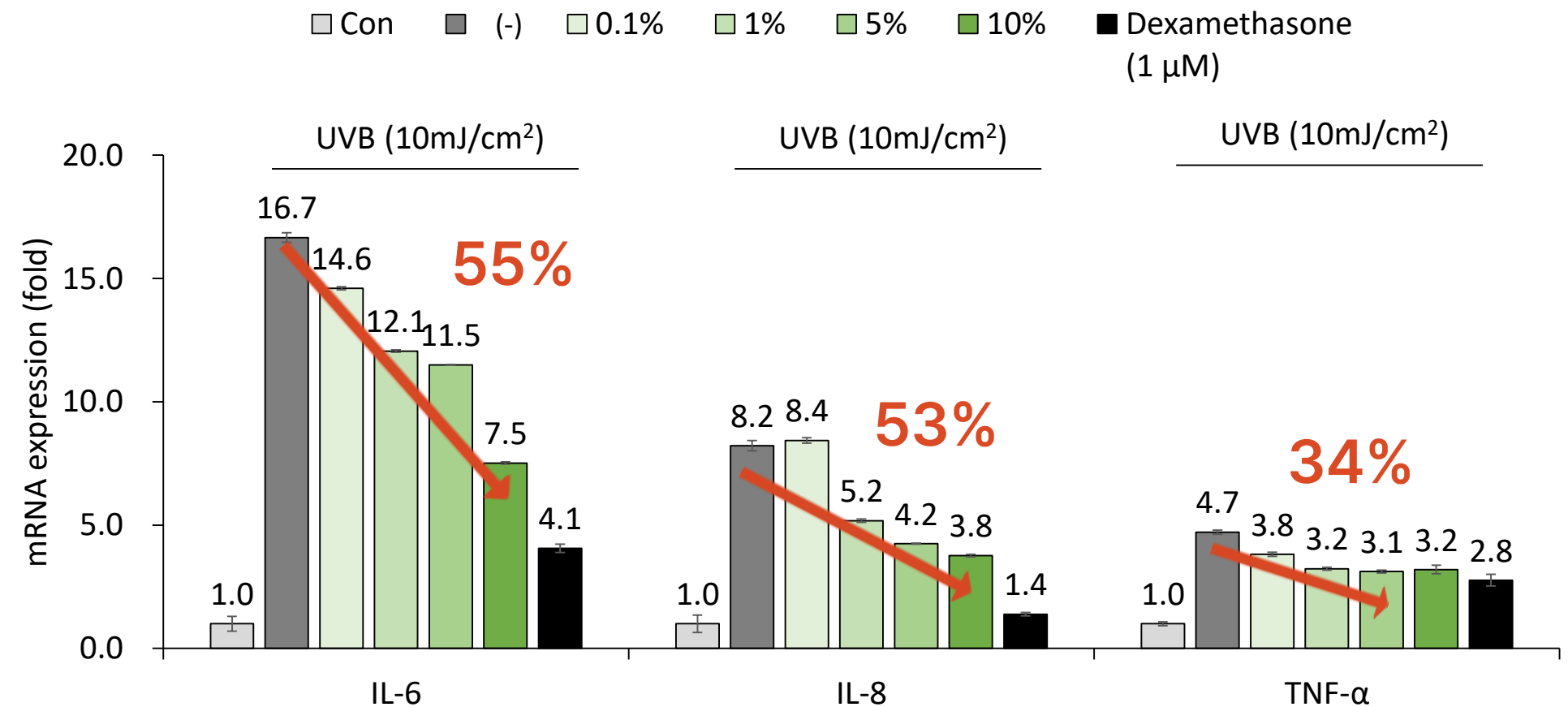
Cell regeneration

When treated with Castor Bean extract on wounded cells, wound recovery increased by 618%



Anti-inflammation

Castor Bean extract soothes the skin by reducing the expression of inflammatory genes (IL-6, IL-8, TNF- α) by up to 55%.



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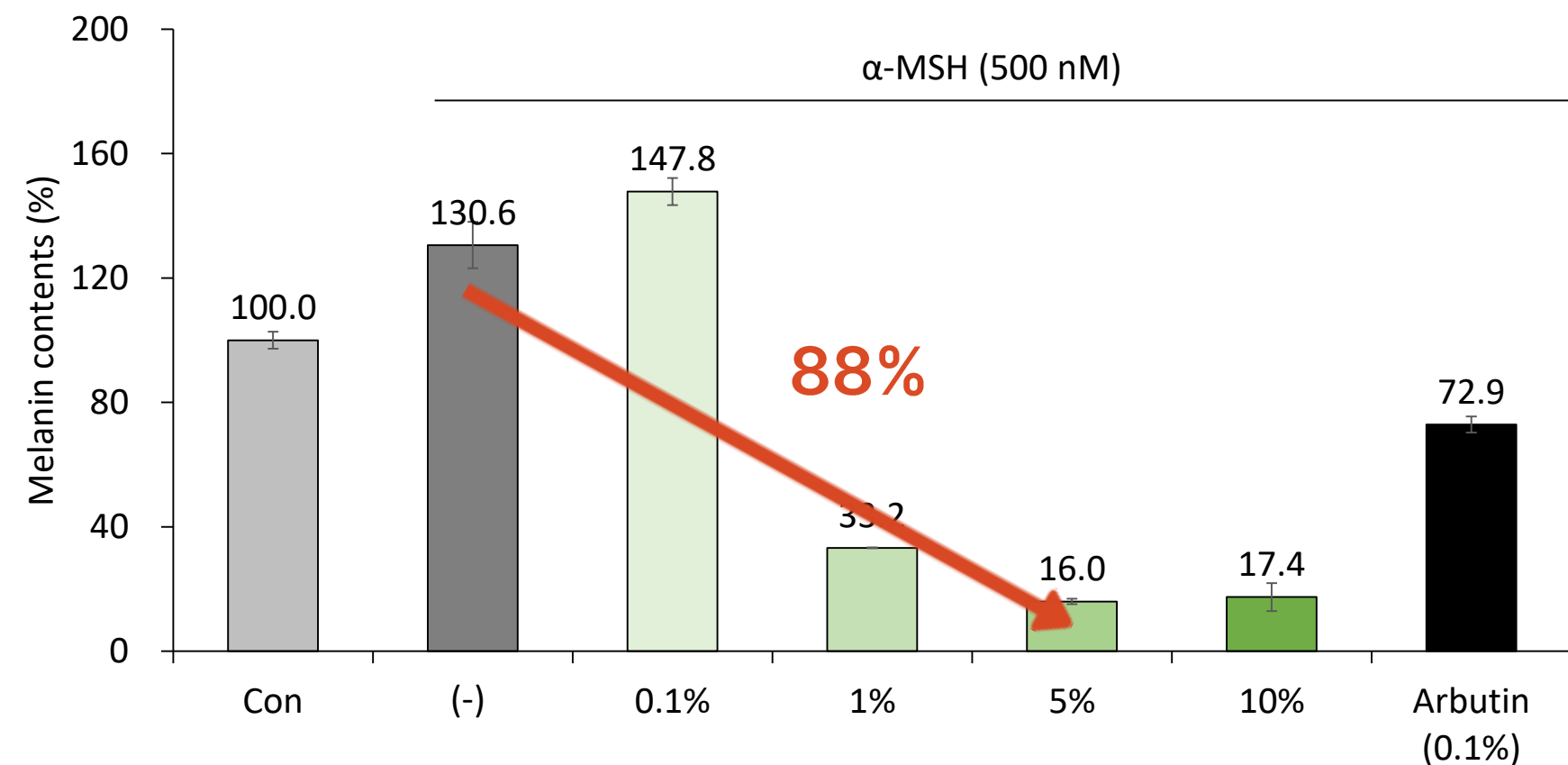
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■ Whitening

Castor Bean extract reduces the synthesis of melanin, the main cause of pigmentation, by 88%, making the skin bright and clean.

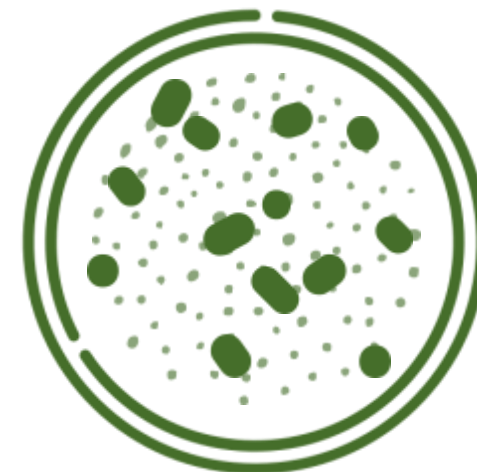


DASAN C&Tech's upgraded natural origin and skin-friendly technology

"Plant-derived Exosome"

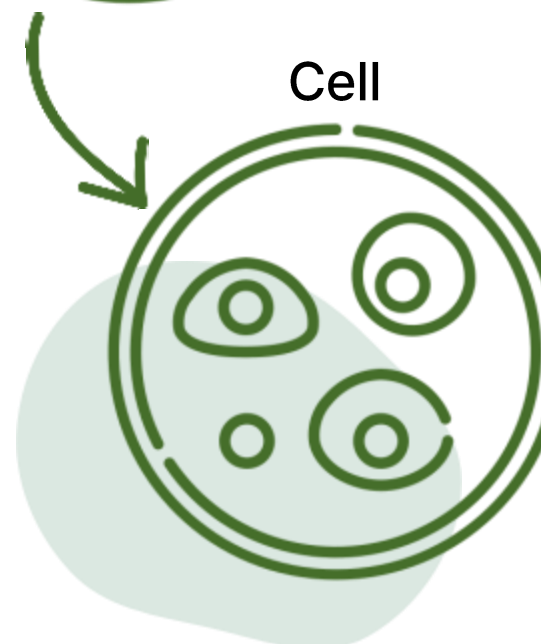
Reasons for using plant-derived exosomes

Plant-derived exosome



■ Raw materials with intact nutritional content

Unlike existing plant extracts that are extracted by applying heat, exosomes are made by processing the raw material as is, so the various nutrients are preserved without being destroyed and work on the skin.



Cell

■ Increased absorption as a skin-friendly raw materials

Unlike traditional raw materials that struggle to pass through cell membranes and act on them, exosomes have a phospholipid bilayer structure similar to cell membranes, enhancing their penetration and absorption capabilities.

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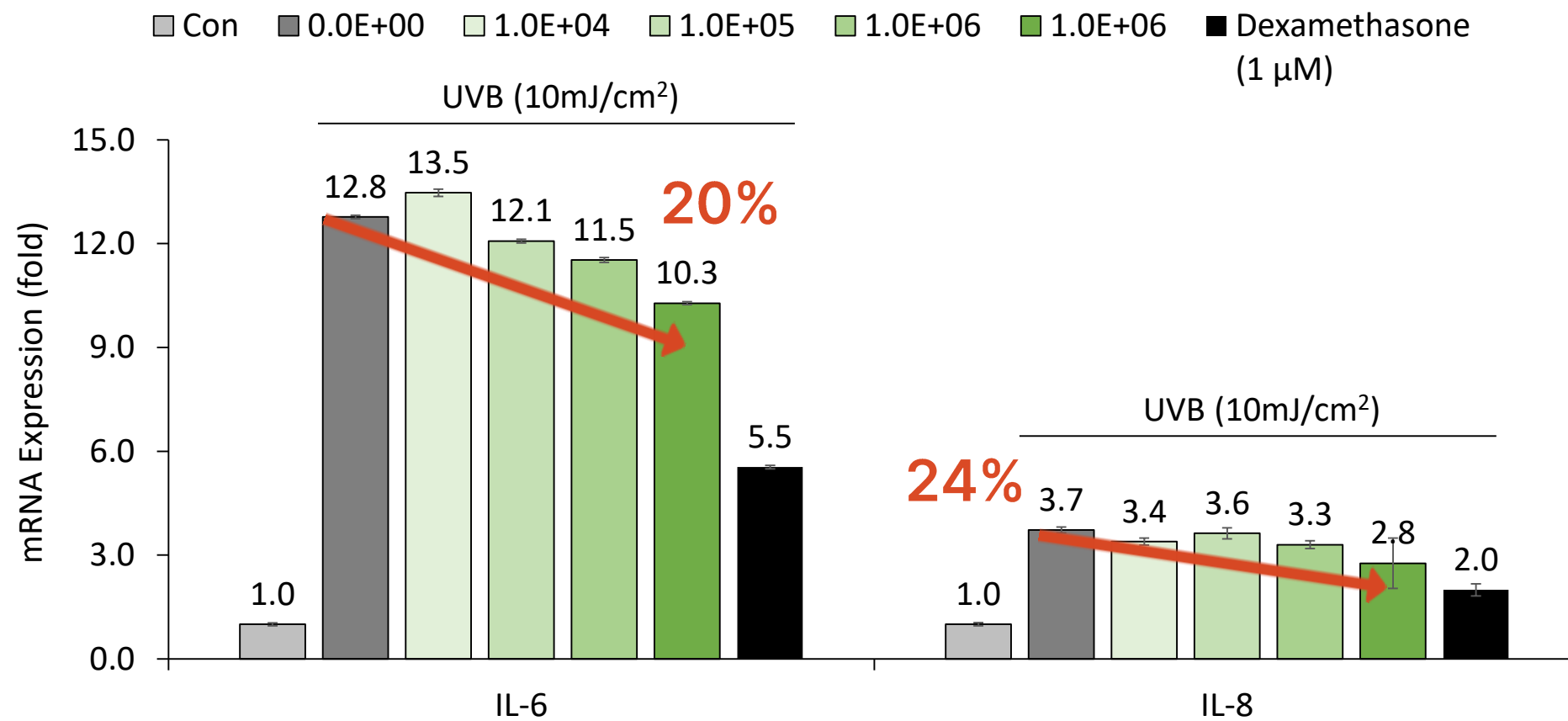
INCI : Ricinus Communis (Castor) Root Extract

Cellular efficacy of Castor Bean exosome

- Anti-inflammation, Skin barrier reinforcement, Moisturizing, Hair loss prevention -

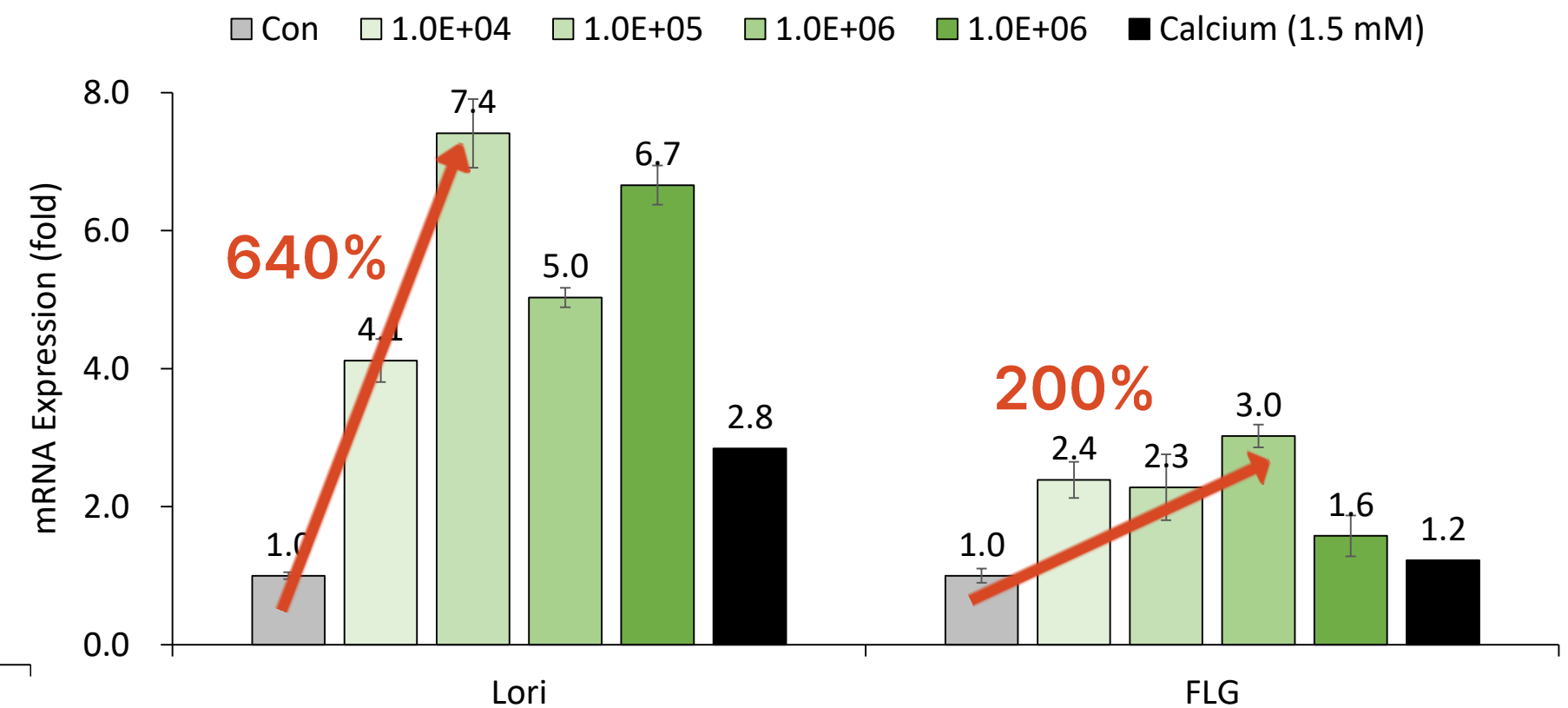
■ Anti-inflammation

Castor Bean exosomes soothe the skin by reducing the expression of inflammatory genes (IL-6,IL-8) by up to 24%.



■ Skin barrier reinforcement

Castor Bean exosomes increase the expression of skin barrier genes (Lori, FLG) by up to 640%, protecting the skin and preventing moisture loss.



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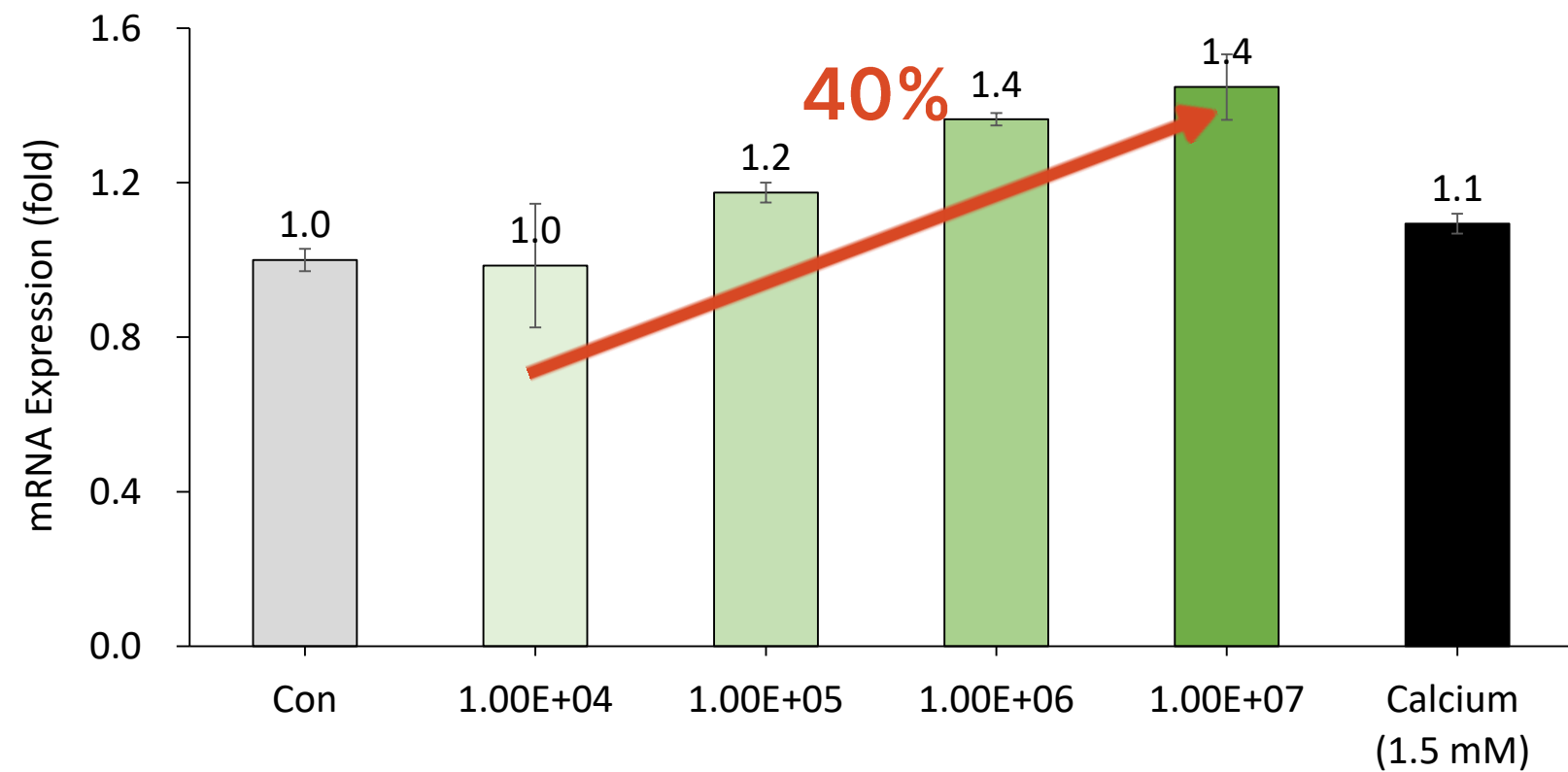
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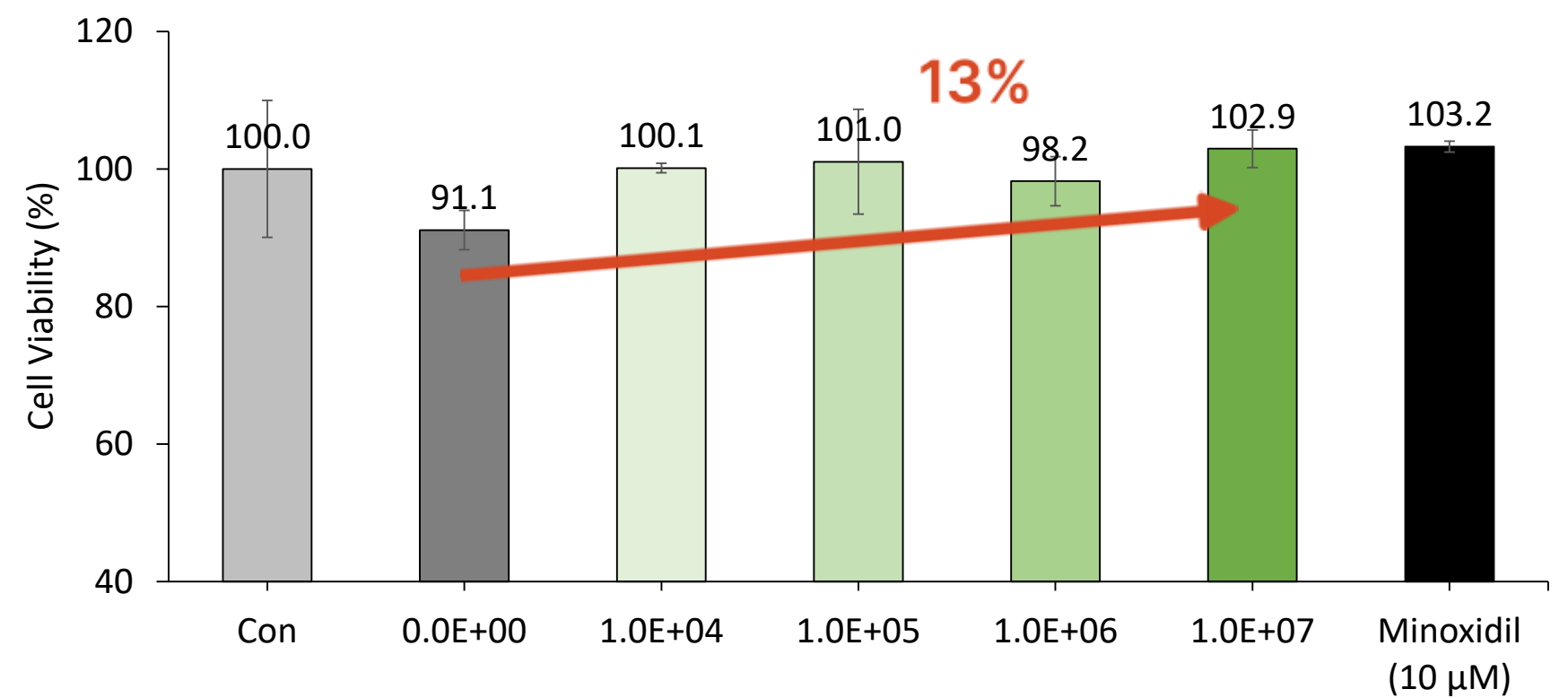
Moisturizing

Castor Bean exosomes increase the expression of genes (AQP3) for skin moisturizing by up to 40%, helping to absorb moisture from the outside of cells into the inside or preserve moisture.



Protection of dermal papilla cells

Castor Bean exosomes protect the scalp and hair by preventing hair loss-inducing factor (DHT) from acting and increasing the proliferation of dermal papilla cells by 13%.

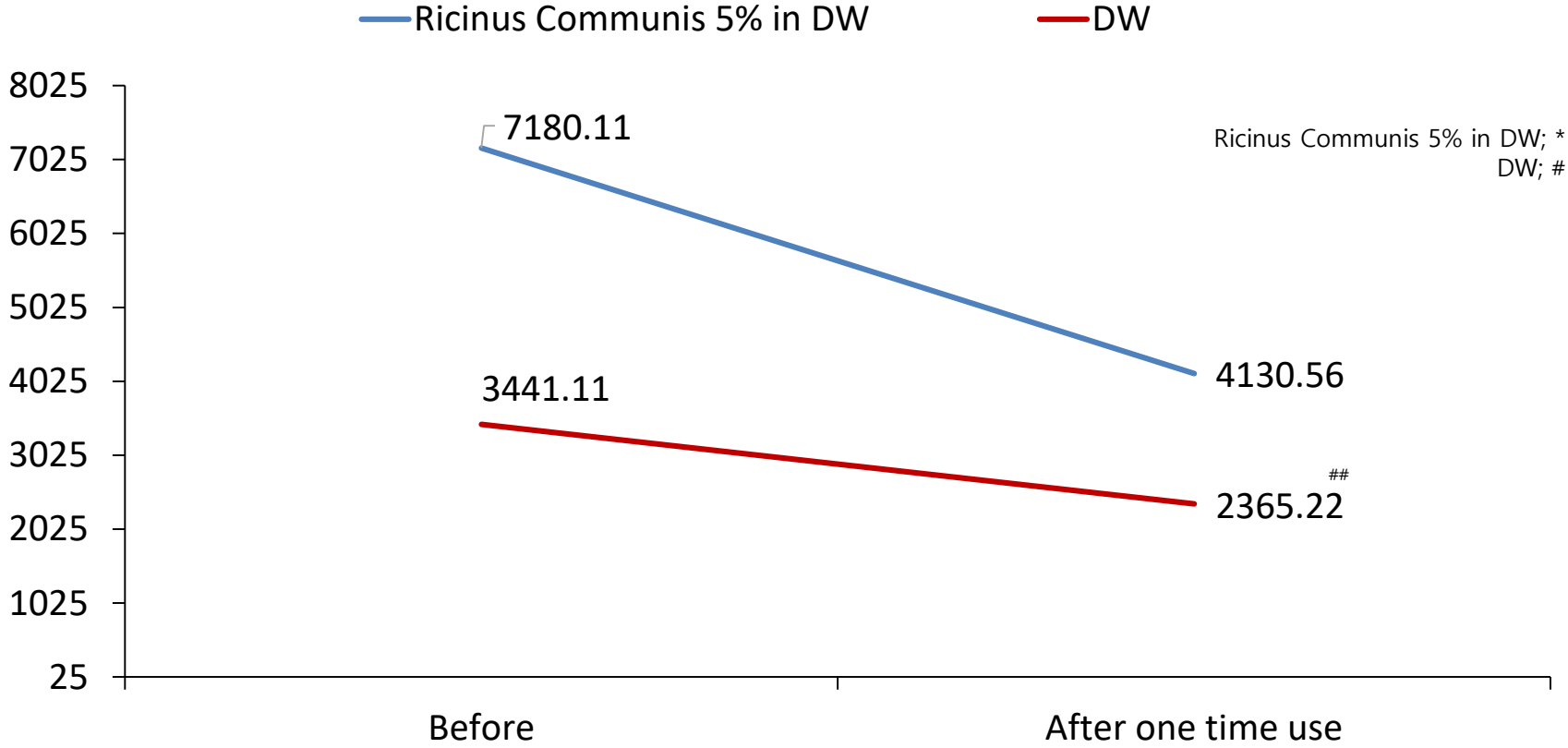


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Evaluation of Scalp ATP reduction efficacy

* Castor Bean exosomes 5%



Distilled water containing 5% Castor Bean exosomes showed approximately e times greater effectiveness compared to distilled water. This suggests that products incorporating 5% Castor Bean exosomes may effectively reduce surface microbial growth due to excessive sebum and debris accumulation in the skin.

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CONTACT US

