

MUSA-PIEL-PLATANO™ – PDRN(BANANA PEEL PDRN)

Poly Deoxyribonucleotides – Banana Peel PDRN

Banana Peel PDRN™ refers to a skincare ingredient, PDRN (polydeoxyribonucleotide) that is derived from Banana Peel. This plant-based version of PDRN is used in products like serums and masks to support skin regeneration, improve firmness, reduce fine lines/ Pores and boost elasticity, with some formulations also including ingredients like niacinamide and propolis extract to enhance these benefits.

Product applications:

It's a key ingredient in new skincare products like lip plumping masks, all-in-one serums, and skin-correcting treatments.

Combined ingredients:

Products often combine Banana PDRN with other beneficial ingredients to achieve synergistic effects, such as

Niacinamide:

For brightening and evening out skin tone.

Manuka honey:

To support skin recovery and moisture.

Propolis extract:

For strengthening the skin barrier and locking in moisture.

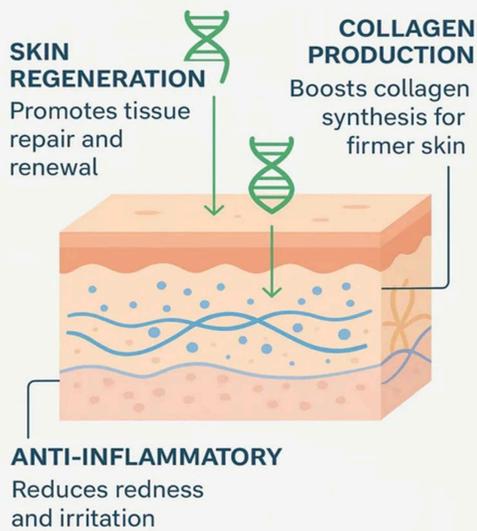
Surprisingly, we share 50% of our DNA with one of our most popular fruits, bananas

This stimulates skin regeneration and provides:

1. Skin regeneration – promotes tissue repair and renewal
2. Collagen production – boosts collagen synthesis for firmer skin
3. Anti-Inflammatory Effect– Reduces redness and irritation

HOW PDRN WORKS

Polydeoxyribonucleotide (PDRN) stimulates skin regeneration and offers various benefits.

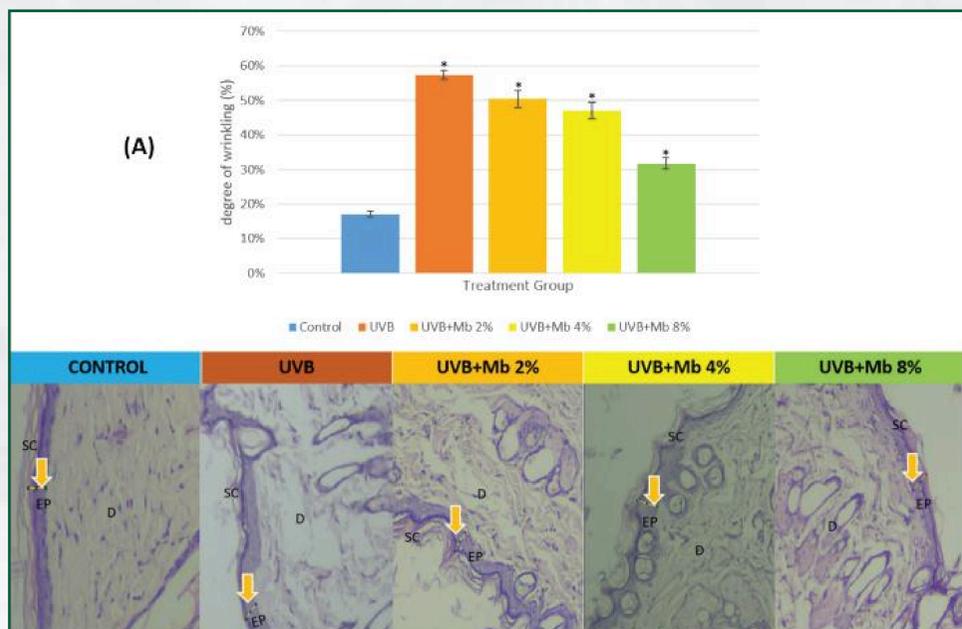


PRODUCT SPECIFICATION

INCI Name	Sodium DNA and Water and 1,2 Hexanediol and Butylene Alcohol and Ethylhexylglycerine
Appearance	Milky, opaque Liquid Suspension
DNA Content	4,500 mg/kg to 100,000 mg/kg, i.e., Min. 0.45% Conc. Product to 10% Concentration Product.
DNA Purity (UV Absorbance – 260/280)	1.70 Ratio of Absorbance (Purity 90–95%)
Recommended Dosage	0.5 – 1.5%

Helixion Biosciences has pioneered the PDRN technology where the specific focus has been in developing PDRN that has Rice Embryo/Bran as base & Banana Peel as base as only both have certain % of DNA that matches with Human DNA in the Vegan Segment – Rice ~25–30% & Banana ~50–55%. With this as a base infused with Rose / Cica / Green Coffee / Ashwagandha / Microbiome (like Lactobacillus or Bifidobacterium), Gensing & Keratin PDRN, where the specific blends of these is being worked out by our Scientists to cater both the Skin Care & Hair Care segments.

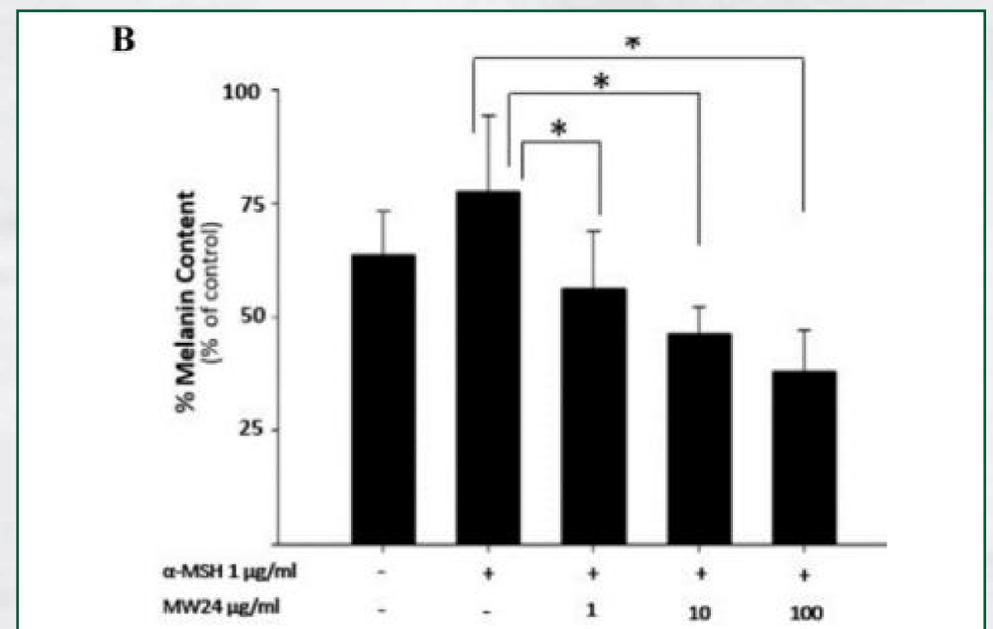
Banana Peel Ext - Impact on Wrinkle Reduction/Skin Tightening



Wrinkle formation on the skin exposed to UVB (red arrow) & the Dose based reduction of the Wrinkle using different % of Banana Peel Ext.

Scientific Reference: OVJ, (2024), Vol. 14(8): 1990–1998, DOI: 10.5455/OVJ.2024.v14.i8.28

Banana Peel Ext - effect on Melanin Content (Reducing Hyperpigmentation).



Graph Shows, Banana Peel extracts Shows inhibition of melanogenesis process through p38 signaling pathway in melanoma cells by inhibiting Melanocyte Stimulating Hormone production in B16F10 cells. (mean±SD, n=7) * P < 0.01.

Scientific Reference: Int. J. Med. Sci. 2019, Vol. 16, 2019; 16(4): 602–606. doi: 10.7150/ijms.32137

PACKAGING/ STORAGE/SHELF LIFE

Packaging :
Packed in 500gm Thermo insulated SS Bottles, Light shaking before use is recommended

Storage :
To be stored at 28°C, keep the container closed, once opened it cannot be restored

Shelf Life :
Shelf Life 2 Years from the date of manufacturing.