



# Cosactive PDRN

Innovative regeneration for visible skin renewal

Cosactive PDRN is a highly pure cosmetic active ingredient based on sodium DNA (PDRN – polydeoxyribonucleotide) from salmon.

Inspired by regenerative dermatology, PDRN specifically supports cellular skin renewal, collagen synthesis and stabilisation of the skin barrier.

## Properties at a glance

### *Cell regeneration*

- Activates fibroblasts and supports skin renewal

### *Collagen & skin density*

- Promotes collagen I synthesis and improves firmness and elasticity

### *Barrier repair & soothing*

- Strengthens the skin barrier and reduces inflammatory reactions

### *Anti-ageing & repair*

- Smoothes fine lines and improves skin texture

## Why sodium DNA from salmon?

- High biological affinity to the skin
- Very good skin compatibility
- Scientifically proven mechanism of action via the A2A adenosine receptor
- High-quality active ingredient from marine sources

## Areas of application & uses

Cosactive PDRN is ideal for modern, dermatologically oriented care products:

- Anti-ageing serums
- Barrier repair & sensitive skin concepts
- Post-treatment care
- BB/CC creams and face primers

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## Process

Ideally, Cosactive PDRN should be added to the active ingredient phase at below 40°C.

## INCI

Aqua, Pentylene Glycol,  
Propanediol, Sodium  
DNA, 1,2-Hexanediol

## Recommended concentration

2-50%

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## Cosactive PDRN – DNA power for active skin regeneration

Cosactive PDRN is a versatile all-rounder for the next generation of highly effective skin care!

- Transparent liquid
- Store at 10–20°C
- Easy to dispense
- No listed preservatives
- Available from 1 kg
- Best before: 24 months

### Scientific sources & studies

Gupta et al., 2014

Polydeoxyribonucleotide (PDRN) stimulates wound healing by activation of A2A adenosine receptor  
→ International Journal of Molecular Sciences

Bitto et al., 2008

Activation of A2A receptor by PDRN improves tissue repair  
→ Journal of Biological Regulators & Homeostatic Agents

Kim et al., 2011

Effects of polydeoxyribonucleotide on collagen synthesis and skin regeneration  
→ Archives of Dermatological Research

Sung et al., 2016

Anti-inflammatory and regenerative effects of PDRN in skin cells  
→ Clinical, Cosmetic and Investigational Dermatology

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