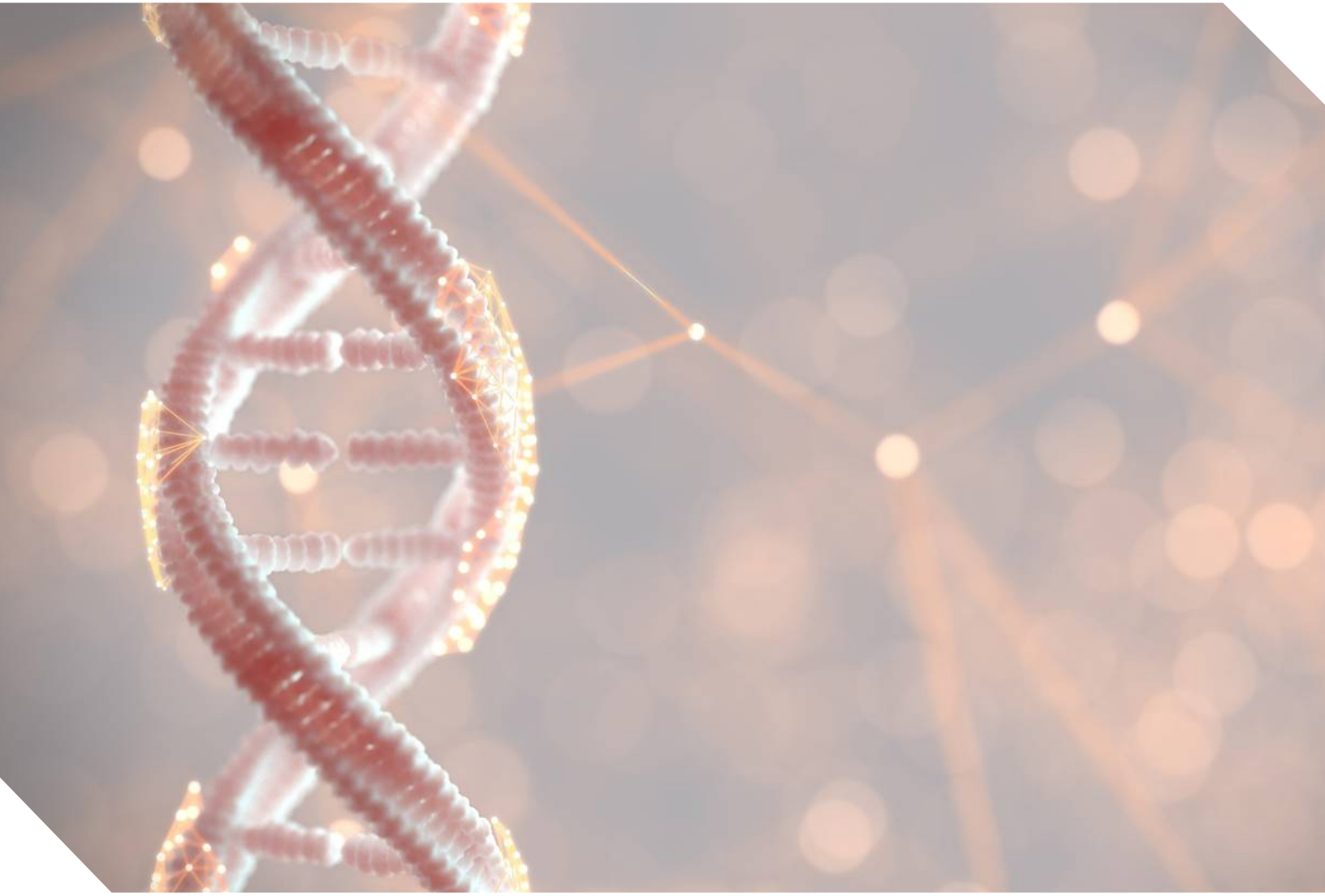


PDRN



purified salmon DNA for skin rejuvenation



Actera

PDRN

purified salmon DNA for skin rejuvenation

Actera

INCI

Sodium DNA

Physical Description

Off-white powder

Guidelines

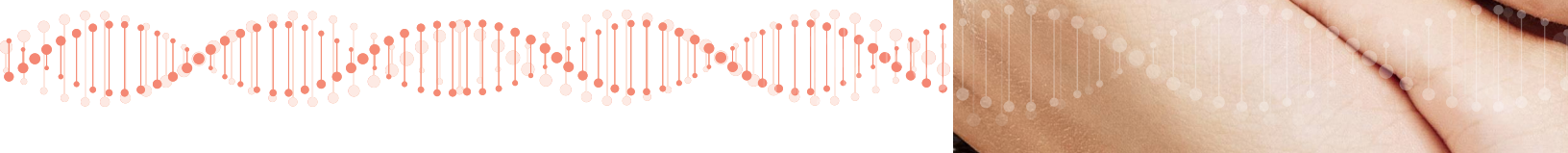
- Use level: 0.05-2%
- Water soluble
- Premix to dissolve fully and add to batch below 40°C
- Keep refrigerated
- Avoid strong oxidizing agents

Applications

- Anti-aging treatments
- Moisturizers
- Serums
- Masks

Bioactive Rationale

Polydeoxyribonucleotide (PDRN) is unique DNA extract from salmon known for impressive skin rejuvenation, anti-aging, and wound healing benefits. This powerful mixture of purified DNA fragments activates the adenosine A2A receptors in the skin. This stimulates the skin's repair mechanisms to support tissue and structure regeneration and promote cell growth.



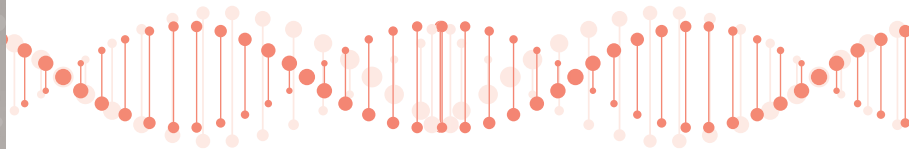
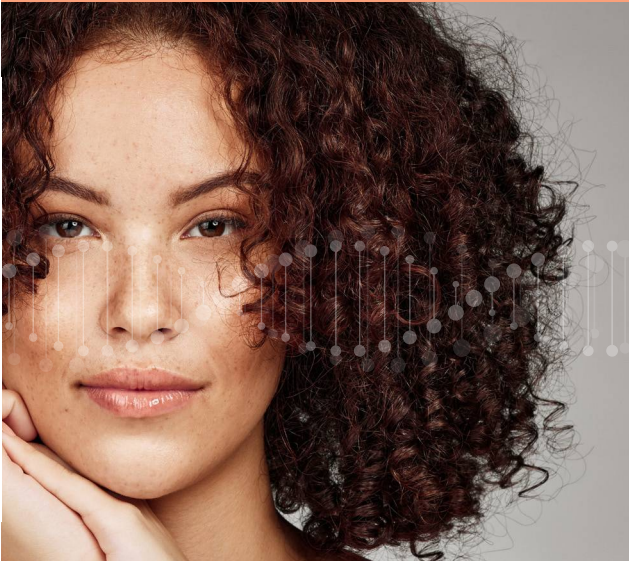
A2A Receptor Activation

- **Controls inflammation:** decreases pro-inflammatory factors and increases anti-inflammatory factors
- **Regulates oxygen consumption:** improves cellular respiration and metabolism
- **Promotes cell growth:** increases growth factors and fortifies collagen structures
- **Improves microcirculation:** supports the development of new blood vessels



Benefits

- **Softens wrinkles**
- **Improves skin firmness**
- **Reduces transepidermal water loss**
- **Soothes redness**
- **Enhances skin clarity and reduces breakouts**
- **Promotes healthy, youthful, resilient skin**



References

Yi, K.-H., Park, M.-S., Ree, Y.-S., & Hyoung Moon Kim. (2023). A Review on "Skin Boosters": Hyaluronic Acid, Poly-L-lactic Acid and Pol-D-lactic Acid, Polydeoxyribonucleotide, Polynucleotides, Growth Factor, and Exosome. Korean Association for Laser Dermatology and Trichology, 4(1), 1–5. A Review on "Skin Boosters": Hyaluronic Acid, Poly-L-lactic Acid and Pol-D-lactic Acid, Polydeoxyribonucleotide, Polynucleotides, Growth Factor, and Exosome

Khan, A., Wang, G., Zhou, F., Gong, L., Zhang, J., Qi, L., & Oui, H. (2022). Polydeoxyribonucleotide: A promising skin anti-aging agent. Chinese Journal of Plastic and Reconstructive Surgery, 4(4), 187–193. <https://doi.org/10.1016/j.cjprs.2022.09.015>

Actera

66 Walker Lane • Newtown, PA 18940 • USA
+1 (215) 525-4564
acteraingredients.com