

The background is a deep blue gradient. A large, stylized wireframe face is centered, composed of white dots connected by thin white lines. Surrounding the face are several glowing molecular or cellular structures. One in the top left is a sphere with a central blue hexagon and radiating lines. Another in the middle left shows a DNA double helix. A third in the bottom center is a cluster of blue spheres. The overall aesthetic is high-tech and scientific.

EXPERT IN SKIN DELIVERY TECHNOLOGY

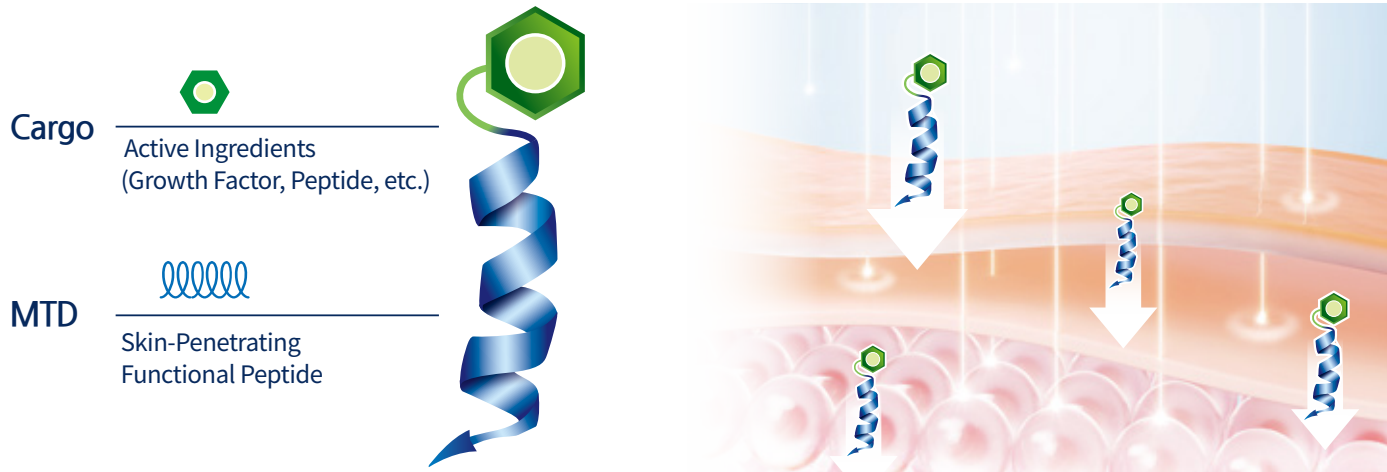
ProCell Therapeutics manufactures highly functional bioactive substances and cosmetic ingredients using its proprietary platform technologies for intracellular and transdermal delivery. PII-SKIN™ is a transdermal delivery technology that selectively delivers bioactive substances, which are difficult to reach beyond the skin barrier, to the deeper layers of the skin. PII-SKIN™ can be widely applied to both protein and non-protein materials, making it suitable for use as a cosmetic ingredient. Based on this technology, ProCell has developed skin-penetrating growth factors and peptides that are effective in promoting skin regeneration, reducing wrinkles, and preventing hair loss, among other benefits. These skin-penetrating ingredients are registered in the International Cosmetic Ingredient Dictionary (ICID) and are manufactured under strict quality control. Produced by experts in SKIN DELIVERY Technology, ProCell's ingredients elevate the quality of cosmeceutical products, ensuring a high level of functionality and efficacy.



SKIN DELIVERY PLATFORM TECHNOLOGY

PII-SKIN™

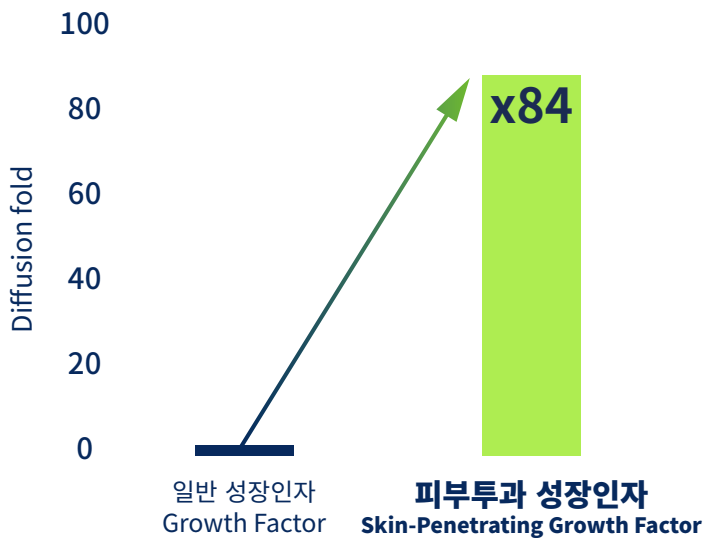
피부 심층부까지 유효성분을 전달하여 효능을 극대화하는 피부 전달기술
MTD와 연결하여 도포만으로도 성장인자, 펩타이드류 물질들을 피부 심층부까지 전달 가능



PII-SKIN™ technology delivers bioactive substances (cargo) across the skin barrier to the dermis. It enables transdermal delivery of growth factors and peptides through topical application by connecting them with MTD(Macromolecule Transduction Domain)

《《《 피부투과율 《《《

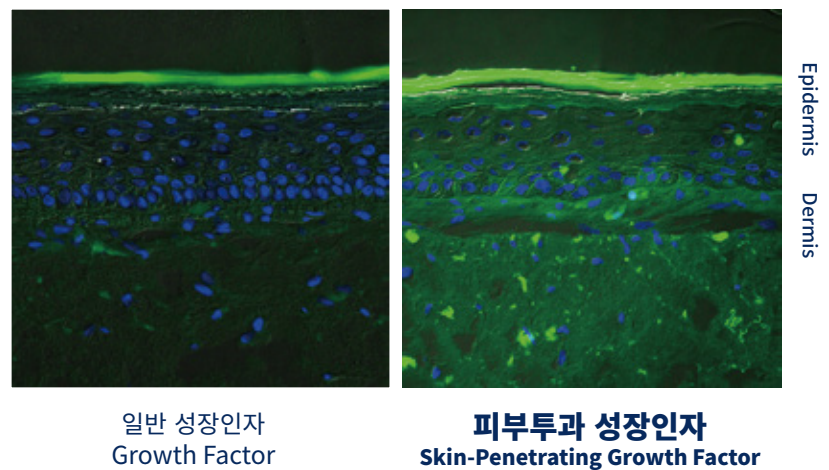
일반 성장인자 대비 피부투과 성장인자의
탁월한 피부투과능



In vitro skin absorption assay

《《《 피부 심층부 투과능 《《《

일반 성장인자 대비 피부투과 성장인자의
우수한 피부 심층부 투과능



In vitro cell penetration assay

				
Technology	Exclusive	Efficacy	Expandability	Safety
기술력	독점성	효능	확장성	안전성
First-in-Class 피부투과 기술	Only One 독자적인 기능성 신물질	Game Changer 코스메슈티컬	Pipe Line 원료 재창출	Amino Acid-Based 아미노산의 조합

WHAT WE DO

Development & Manufacturing

WHAT WE MAKE

Biologically-Active Ingredients



Patents

MTD™ Platform Technology
PII-SKIN™ Platform Technology

Journal entries

8 SCI entries / 1 KCI entry

INCI registrations

42 Kinds

Certifications

Biological Safety Grade 2
Certification
Company-Affiliated
Research Center Certification
Venture Certification



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Peptide

* MTD = Macromolecule Transduction Domain

Product Name	Description	INCI	Application
PC-AH	MTD linked Acetyl hexapeptide-8	Nonapeptide-29 Hexapeptide-8	Anti-wrinkle, Pore minimizing, Skin lifting
PC-AP	MTD linked Acetyl pentapeptide-4	Nonapeptide-29 Pentapeptide-4	Anti-aging, Anti-wrinkle
PC-HP2	MTD linked Hexapeptide-2	Oligopeptide-182 D-Tryptophanyl Dipeptide-29 D-Phenylalanyl Lysinamide	Anti-aging, Skin brightening

Protein (Growth factor, etc.)

Product Name	Description	INCI	Application
PC-EGF	MTD linked Epidermal growth factor	sh-Oligopeptide-1 Nonapeptide-29	Anti-aging, Anti-wrinkle, Skin lifting
PC-FGF1	MTD linked Acidic fibroblast growth factor	Methionyl sh-Polypeptide-11 Decapeptide-40	Anti-aging, Anti-wrinkle, Hair growth
PC-FGF2	MTD linked Basic fibroblast growth factor	sh-Polypeptide-1 Nonapeptide-29	Anti-wrinkle, Skin lifting, Hair growth
PC-FGF7 (=PC-KGF)	MTD linked Fibroblast growth factor7 (=MTD linked Keratinocyte growth factor1)	Methionyl sh-Polypeptide-3 Decapeptide-40	Anti-wrinkle, Skin lifting, Hair growth
PC-FGF10 (=PC-KGF2)	MTD linked Fibroblast growth factor10 (=MTD linked Keratinocyte growth factor2)	r-(Methionyl sh-Polypeptide-10 Decapeptide-40)	Anti-wrinkle, Skin lifting, Hair growth
PC-sFGF2	MTD linked Stable fibroblast growth factor2	r-(Methionyl sh-Polypeptide-1 Decapeptide-40)	Anti-wrinkle, Skin lifting, Hair growth
PC-sFGF7	MTD linked Stable fibroblast growth factor7	Methionyl sh-Polypeptide-3 Decapeptide-40	Anti-wrinkle, Skin lifting, Hair growth
PC-IGF1	MTD linked Insulin-like growth factor1	Methionyl sh-Oligopeptide-2 Decapeptide-40	Anti-wrinkle, Skin lifting, Hair growth
PC-IGF2	MTD linked Insulin-like growth factor2	r-(Methionyl sh-Polypeptide-31 Decapeptide-40)	Anti-wrinkle, Skin lifting, Hair growth
PC-NGF	MTD linked Nerve growth factor	Methionyl sh-Polypeptide-14 Decapeptide-40	Anti-aging, Wound healing, Hair growth
PC-Noggin	MTD linked Noggin	Methionyl sh-Polypeptide-13 Decapeptide-40	Wound healing, Hair growth
PC-PDGF AA	MTD linked Platelet-derived growth factor AA	r-(Methionyl sh-Polypeptide-8 Decapeptide-40)	Anti-aging, Anti-wrinkle, Hair growth
PC-PDGF BB	MTD linked Platelet-derived growth factor BB	Methionyl sh-Polypeptide-59 Decapeptide-40	Anti-aging, Anti-wrinkle, Hair growth
PC-SCF	MTD linked Stem cell factor	Methionyl sh-Polypeptide-4 Decapeptide-40	Anti-aging, Anti-wrinkle, Hair growth
PC-SOD1	MTD linked Superoxide dismutase 1	r-(Methionyl sh-Polypeptide-60 Decapeptide-40)	Anti-aging, Antioxidant, Skin brightening
PC-TB4	MTD linked Thymosin beta 4	r-(sh-Oligopeptide-4 Decapeptide-40)	Anti-wrinkle, Skin lifting, Hair growth
PC-TGF 2	MTD linked Transforming growth factor beta 2	Methionyl sh-Polypeptide-76 Decapeptide-40	Anti-aging, Anti-wrinkle, Wound healing
PC-TIMP1	MTD linked Tissue inhibitor of metalloproteinase 1	r-(Methionyl sh-Polypeptide-58 Decapeptide-40)	Anti-aging, Anti-wrinkle, Wound healing
PC-Trx	MTD linked Thioredoxin	r-(sh-Polypeptide-2 Decapeptide-40)	Antioxidant, Skin brightening
PC-VEGF	MTD linked Vascular endothelial growth factor	Methionyl sh-Polypeptide-9 Decapeptide-40	Anti-aging, Anti-wrinkle, Hair growth
PC-BoLC	MTD linked recombinant Botulinum neurotoxin Type A light chain	Methionyl r-Clostridium Botulinum Polypeptide-1 Hexapeptide-40	Anti-wrinkle, Pore minimizing, Skin lifting

Transome™

Product Name	Description	INCI	Application
Caffeine Transome	MTD linked Caffeine liposome	Lecithin (and) Lysolecithin (and) Alcohol (and) Butylene Glycol (and) Water (and) Glycerin (and) Polyglyceryl-10 Oleate (and) Caffeine (and) Niacinamide (and) Decapeptide-40	Anti-aging, Anti-cellulite, Skin lifting, Hair growth
HA Transome	MTD linked Hydrolyzed sodium hyaluronate liposome	Water (and) Alcohol (and) Glycerin (and) Lecithin (and) Hydrolyzed Sodium Hyaluronate (and) Polyglyceryl-10 Oleate (and) Butylene Glycol (and) Lysolecithin (and) Decapeptide-40	Anti-wrinkle, Hydration, Skin lifting
RG Transome	MTD linked Red ginseng root extract liposome	Water (and) Panax Ginseng Root Extract (and) Decapeptide-40 (and) Hydrogenated Lecithin (and) Alcohol (and) Butylene Glycol (and) Disodium EDTA (and) Sodium Ascorbyl Phosphate	Anti-aging, Anti-wrinkle, Skin brightening, Skin lifting