

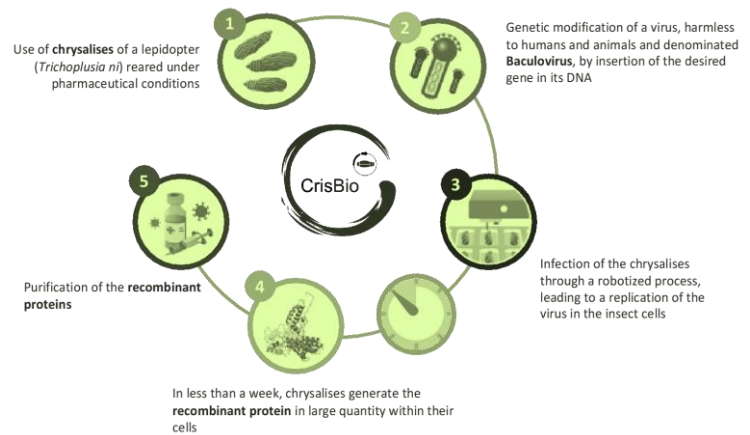
PRODUCT INFORMATION SHEET

Cocoon Bioscience S.L.
 Parque Científico y Tecnológico de Bizkaia, Edificio 802.
 Derio, 48160
 Vizcaya, SPAIN
 Tel.: 0034 608 454 632
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 www.cocoobio.com

Recombinant Porcine Platelet-Derived Growth Factor (PDGF)

Product Highlights:

Cocoon Bioscience recombinant porcine PDGF is produced using the CrisBio® insect-based platform. This proprietary technology produces high quality mammalian-free recombinant proteins by using insects (*Trichoplusia ni* pupae) as natural bioreactors in combination with baculovirus vectors to program the insect cells. Through the use of CrisBio® in the production of growth factors, Cocoon Bioscience enables a fast alternative to meet surge in demand, achieving cost-effective supply independence.



Product Specifications

Purity	>85% as determined by SDS-PAGE analysis (see figure 1 as example)
Biological activity	Informative value from an MTT test using HDF cells. Typically ED ₅₀ <50 ng/ml (see figure 2 as example)
Form	Liquid Frozen
Sterility	Filtered before filling through a 0.22 micron sterile filter
Endotoxin concentration	<0.1 ng/μg
Production	Produced by CrisBio® technology and purified via sequential chromatography
Reconstitution recommendation	N/A
Storage buffer	Acetate buffer 100mM, pH4.2
Storage conditions	-80°C for Liquid Frozen product

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Product Details (Standard Batch)

Species	Porcine
Expression System and vector	CrisBio® (AcMNPV baculovirus vector)
Amino Acid sequence	Porcine PDGF recombinant protein is a monomeric peptide of 108 amino acid residues
Molecular weight	25.6 KDa
Class	Recombinant
Type	Protein
Purity	85.5%
Concentration	>1mg/ml
Conjugate	Unconjugated
Form	Liquid Frozen
Reconstitution recommendation	N/A
Purification	By sequential chromatography

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Standard batch example

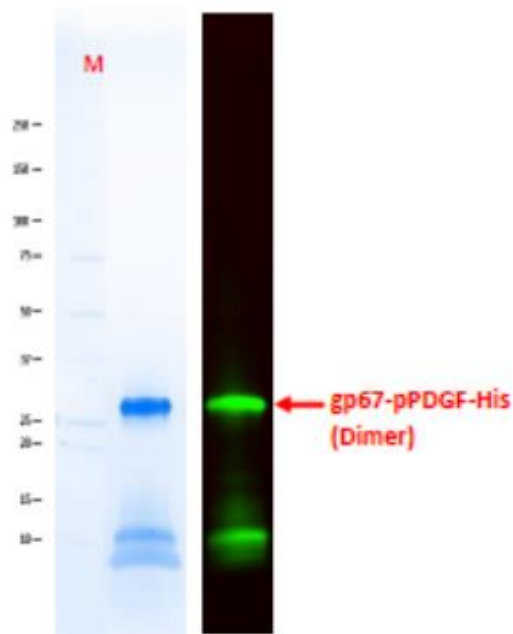


Figure SDS-PAGE. Coomassie and WB stain

Fig.1 SDS-PAGE and coomassie staining of pPDGF-His

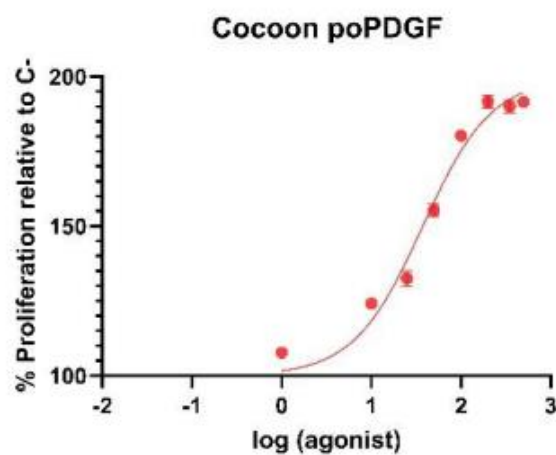


Fig. 2 Primary human dermal fibroblast (HDF) cells were stimulated with increasing concentrations of the recombinant pPDGF His growth factor and the proliferative activity measured by the MTT assay.