

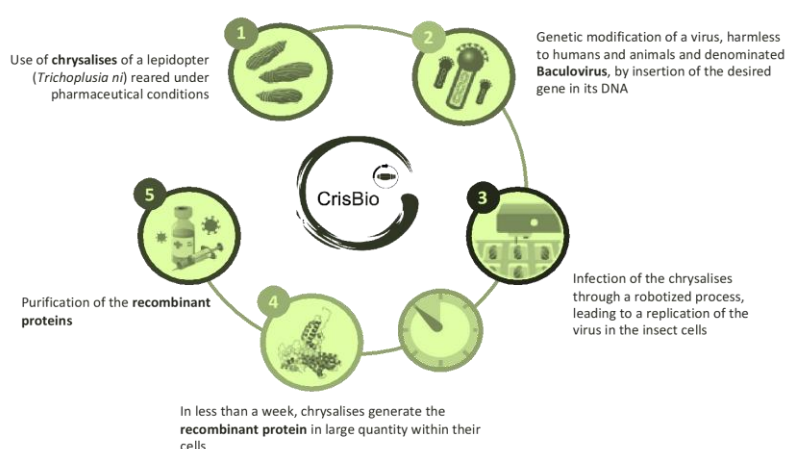
PRODUCT INFORMATION SHEET

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

Recombinant Human Epidermal Growth Factor (EGF)

Product Highlights:

Cocoon Bioscience recombinant human EGF 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 enables a fast alternative to meet surge in demand, achieving cost-effective supply independence.



Product Specifications

Purity	>80% as determined by SDS-PAGE analysis (see figure 1 as example)
Biological activity	ED ₅₀ <0.4 ng/ml determined by the EGF dose dependent proliferation of HaCaT cells and MTT assay determination. Determine the optimal concentration for each specific application using an initial dose response assay. (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	20mM Phosphate, 500mM NaCl, 0.05% Tween20 pH7.4
Storage conditions	-80°C

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Product Details (Standard batch)

Batch number	EGF 088-211130-01
Size	1ml
Species	Human
Expression System and vector	CrisBio® (AcMNPV baculovirus vector)
Amino Acid sequence	Human EGF recombinant protein is a monomeric peptide of 53 amino acid residues
Molecular weight	7.5 KDa
Class	Recombinant
Type	Protein
Purity	>80%
Concentration	0.055 mg/ml
Endotoxin concentration	<0.1 ng/µg
Conjugate	Unconjugated
Form	Liquid Frozen
Reconstitution recommendation	N/A
Purification	By sequential chromatography

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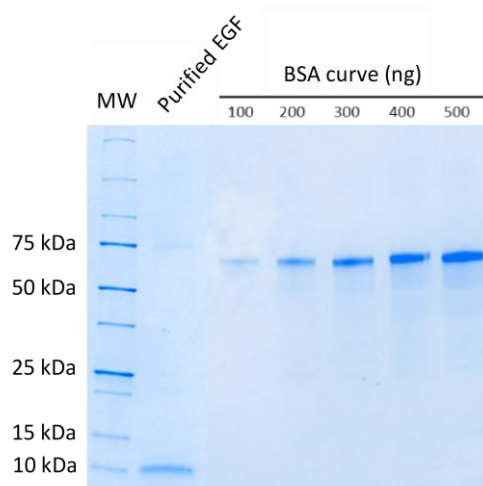


Fig. 1 SDS-PAGE and Coomassie blue staining of purified EGF

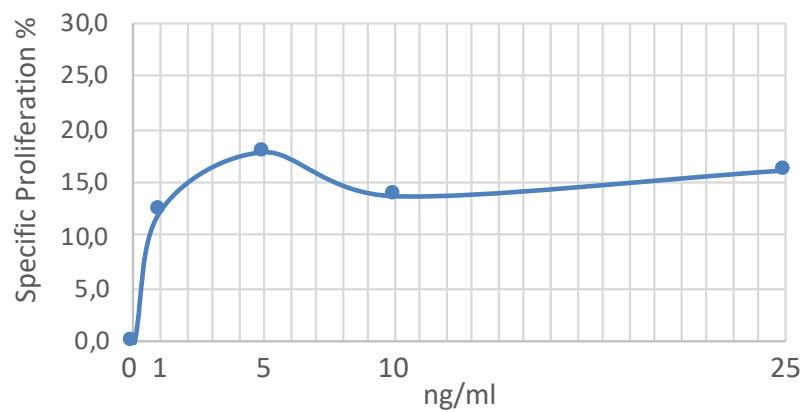


Fig. 2 HaCaT cells were stimulated with increasing concentrations of the recombinant EGF and the proliferative activity measured by the MTT assay. Results are representative of three independent experiments.