

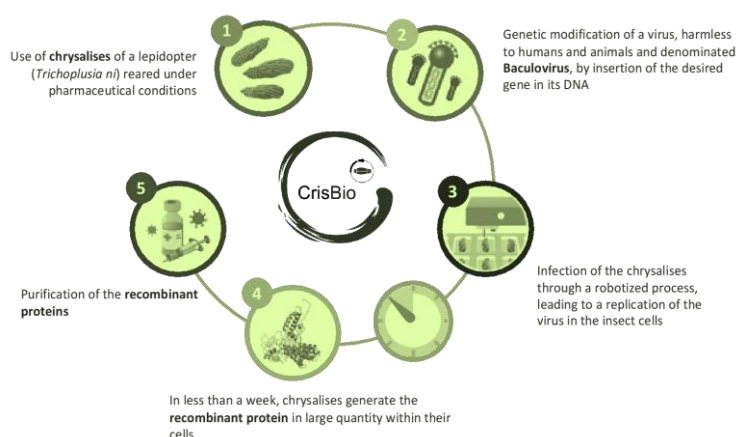
PRODUCT INFORMATION SHEET

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 Bovine Fibroblast Growth Factor (FGF2)

Product Highlights:

Cocoon Bioscience recombinant bovine FGF2 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	>80%
Biological activity	ED ₅₀ <5 ng/ml in cellular/luciferase assays determined by the FGF2 dose dependent activation of the EF-1α promoter in 2 INDFH-NucRedLight cells. 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

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

Product Details (Standard batch)

Batch number	256-220627-01A
Size	1ml
Species	Bovine
Expression System and vector	CrisBio® (AcMNPV baculovirus vector)
Amino Acid sequence	Bovine FGF2 recombinant protein is a monomeric peptide of 155 amino acid residues
Molecular weight	18.5 KDa
Class	Recombinant
Type	Protein
Purity	>85% as determined by SDS-PAGE analysis (see figure 1 as example)
Concentration	1.3 mg/ml
Endotoxin concentration	<0.1 ng/μg
Conjugate	Unconjugated
Form	Liquid Frozen
Reconstitution recommendation	N/A
Purification	By sequential chromatography

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

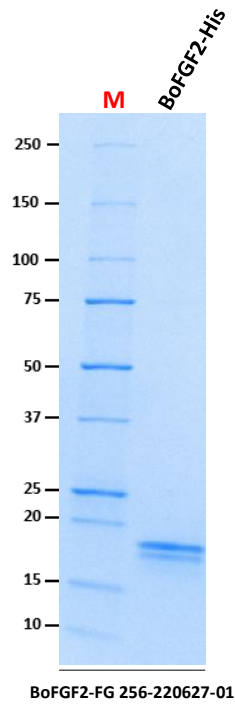


Fig.1 SDS-PAGE and Coomassie staining of BoFGF2-His

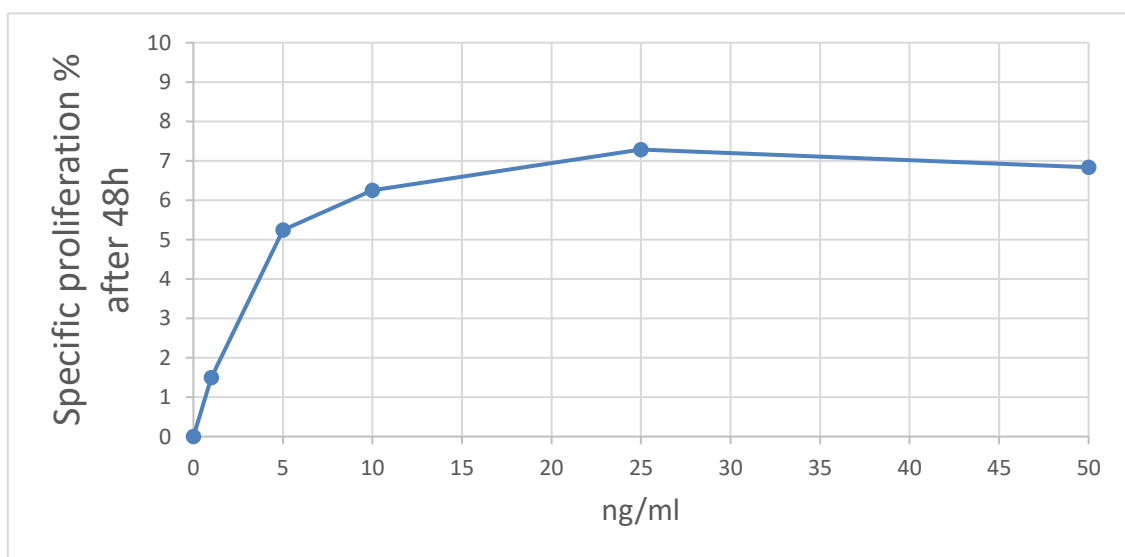


Fig. 2 INDFH-NucRedLight cells were stimulated with increasing concentrations of recombinant boFGF2 and the proliferative activity measured using an Incucyte real-time fluorescence microscope.