

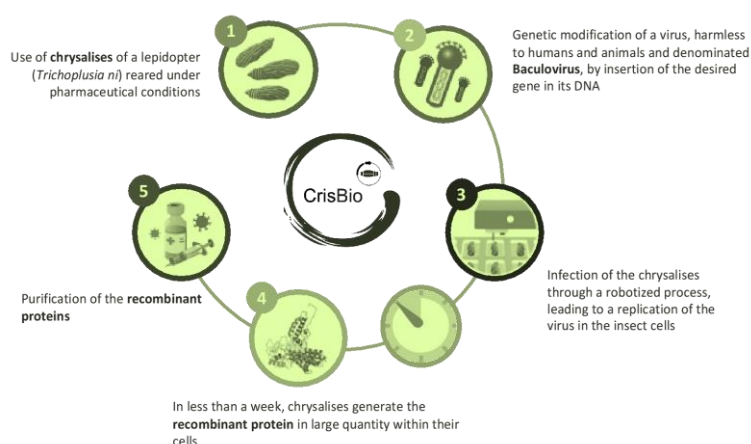
PRODUCT INFORMATION SHEET

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. |
| Form | Lyophilized |
| 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 | Reconstitute in the same volume of distilled sterile water |
| Storage buffer | 20mM Phosphate, 500mM NaCl, 0.05% Tween20 pH7.4 |
| Storage conditions | 4°C |

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Product Details (Standard batch)

| | |
|--------------------------------------|---|
| Batch number | 256-220617-01A |
| 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 | >80% as determined by SDS-PAGE analysis (see figure 1 as example) |
| Concentration | 1.16 mg/ml |
| Endotoxin concentration | <0.1 ng/μg |
| Conjugate | Unconjugated |
| Form | Lyophilized |
| Reconstitution recommendation | Reconstitute in the same volume of distilled sterile water |
| Purification | By sequential chromatography |

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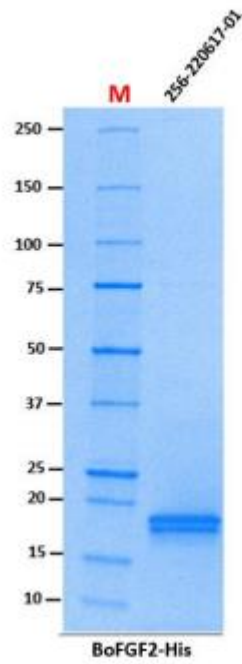


Fig.1 SDS-PAGE and Coomassie staining of BoFGF2-His