

Recombinant Mouse FGF-2/bFGF Protein

Catalog No.: RP01345S

Sequence Information

Species **Gene ID**
Mouse 14173

Swiss Prot **Tags**
P15655 No-Tag

Synonyms

Fgf2, Fgf-2, Fibroblast growth factor 2, FGF-2, bFGF, HBGF-2

Product Information

Source **Purification**
E. coli ≥ 95 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
17.06 kDa 22 kDa

Endotoxin

< 0.1 EU per µg of the protein as determined by the LAL method.

Formulation

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic fibroblast growth factor (bFGF), also known as FGF2, is a member of the fibroblast growth factor (FGF) family. It is a highly specific chemotactic and mitogenic factor for many cell types, appears to be involved in remodeling damaged tissue, such as ulcer healing, vascular repair, traumatic brain injury (TBI). bFGF is a critical component of human embryonic stem cell culture medium. In addition, bFGF protein is a heparin-binding cationic protein involved in a variety of pathological conditions including angiogenesis and solid tumour growth. Thus, bFGF is regarded as a target for cancers chemopreventive and therapeutic strategies.

Basic Information

Description

Recombinant Mouse FGF-2/bFGF Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala11-Ser154) of Mouse FGF-2/bFGF (Accession #NP_032032.1) fused with No Tag.

Activity

Measured in a cell proliferation assay using Balb3T3 mouse fibroblast cells. The ED50 for this effect is 34.61–138.46 pg/mL, corresponding to a specific activity of 7.22×10⁶~2.89×10⁷ units/mg.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

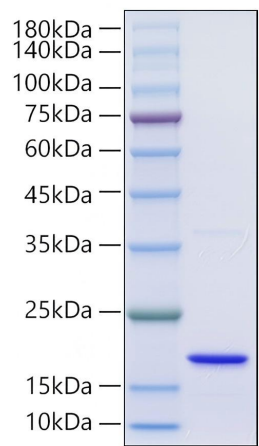
Contact

☎ | 400-999-6126

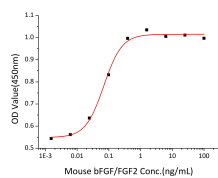
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Mouse FGF-2/bFGF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Measured in a cell proliferation assay using Balb3T3 mouse fibroblast cells. The ED₅₀ for this effect is 34.61-138.46 pg/mL, corresponding to a specific activity of 7.22×10^6 ~ 2.89×10^7 units/mg.