



Recombinant Protein Technical Manual

Recombinant Mouse bFGF/FGF2 Protein (His Tag)(Active)
RPES4557

Product Data:

Product SKU: RPES4557

Size: 50µg

Species: Mouse

Expression host: E. coli

Uniprot: NP_032032.1

Protein Information:

Molecular Mass: 18.5 kDa

AP Molecular Mass:

Tag: N-His

Bio-activity: Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 0.1-0.6 ng/mL.

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application: Cell Culture

Synonyms: bFGF;Fgf-2;Fgfb

Immunogen Information:

Sequence: Ala11-Ser154

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.

bFGF/FGF2 Protein & Antibody Products