General Information

Gene Name Synonym:
bFGF; Fgf-2; Fgfb

Protein Construction:
A DNA sequence encoding the mouse Fgf2 (NP_032032.1) (Ala11-Ser154) was expressed with a polyhistidin tag at the N-terminus.

Source: Mouse
Expression Host: E. coli

QC Testing

Purity: > 95 % as determined by SDS-PAGE.

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.

Endotoxin:
Please contact us for more information.

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:
The recombinant mouse Fgf2 consists 162 amino acids and predicts a molecular mass of 18.5 kDa.

Formulation:
Lyophilized from sterile PBS, pH 7.4.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:

Protein Description

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

References