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FGF2 Protein (His tag)





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Overview

Quantity:	100 μg
Target:	FGF2
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGF2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse bFGF/FGF2 Protein (His Tag)(Active)
Sequence:	Ala11-Ser154
Characteristics:	A DNA sequence encoding the mouse Fgf2 (NP_032032.1) (Ala11-Ser154) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Biological Activity Comment:	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.

Target Details

Target:	FGF2	
Alternative Name:	bFGF/FGF2 (FGF2 Products)	

Target Details

Bac	kgr	ou	nd	:

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

Synonym: bFGF;Fgf-2;Fgfb

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Molecular Weight:

18.5 kDa

NCBI Accession:

NP_032032

Pathways:

RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, C21-Steroid Hormone Metabolic Process, Inositol Metabolic Process, Glycosaminoglycan Metabolic Process, Protein targeting to Nucleus, S100 Proteins

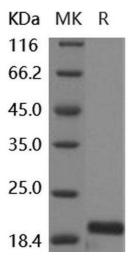
Application Details

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, 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.



Western Blotting

Image 1.