

Fgf2

Recombinant Mouse FGF-2 (His Tag)

Catalog No.	CRM515A-His CRM515B-His CRM515C-His	Quantity:	50 µg 100 µg 1.0 mg
Alternate Names:	Fibroblast growth factor 2, FGF-2, Basic fibroblast growth factor, bFGF, Heparin-binding growth factor 2, HBGF-2		
Description:	Basic fibroblast growth factor (FGF-2) is a member of the fibroblast growth factor 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). FGF-2 is a critical component of human embryonic stem cell culture medium. In addition, FGF-2 protein is a heparin-binding cationic protein involved in a variety of pathological conditions including angiogenesis and solid tumour growth. Thus, FGF-2 is regarded as a target for cancers chemopreventive and therapeutic strategies.		
UniProt ID:	P15655		
Accession Number:	NP_032032.1		
Protein Construction:	A DNA sequence encoding the mouse Fgf2 (Ala11-Ser154) was expressed with a polyhistidine tag at the N-terminus.		
Source:	E. coli		
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant mouse Fgf2 consists 162 amino acids with a predicted molecular mass of 18.5 kDa.		
Purity:	> 95 % as determined by SDS-PAGE.		
Biological 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.		
Predicted N-terminal:	Met		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



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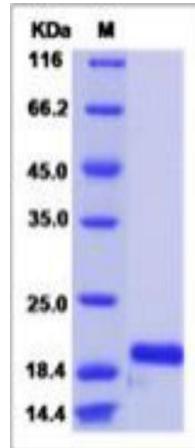
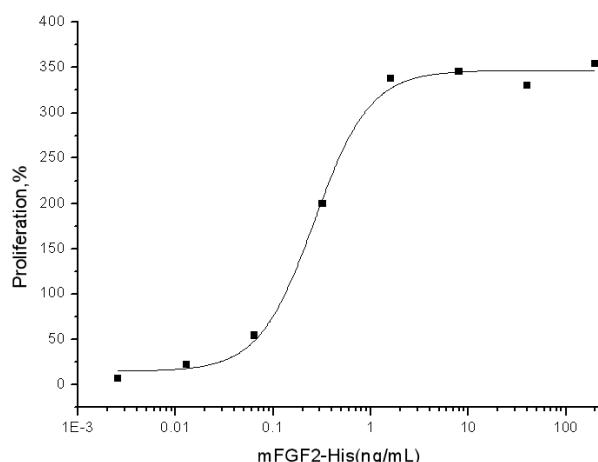
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Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts. The ED50 for this effect is typically 0.1-0.6 ng/mL.

SDS-PAGE



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