

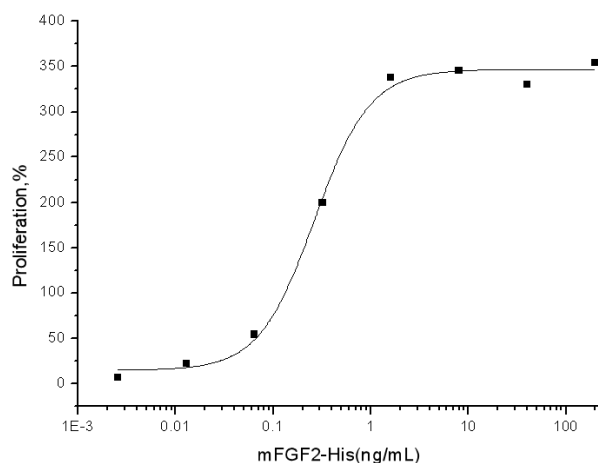
## Fgf2

### Recombinant Mouse FGF-2 (His Tag)

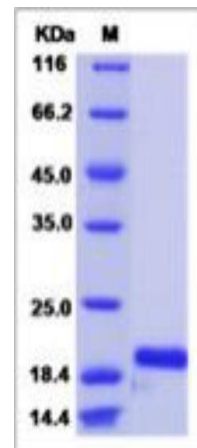
<b>Catalog No.</b>	CRM515A-His CRM515B-His CRM515C-His	<b>Quantity:</b>	50 µg 100 µg 1.0 mg
<b>Alternate Names:</b>	Fibroblast growth factor 2, FGF-2, Basic fibroblast growth factor, bFGF, Heparin-binding growth factor 2, HBGF-2		
<b>Description:</b>	Basic fibroblast growth factor (FGF-2) is a member 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.		
<b>UniProt ID:</b>	P15655		
<b>Accession Number:</b>	NP_032032.1		
<b>Protein Construction:</b>	A DNA sequence encoding the mouse Fgf2 (Ala11-Ser154) was expressed with a polyhistidine tag at the N-terminus.		
<b>Source:</b>	E. coli		
<b>Formulation:</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
<b>Molecular Weight:</b>	The recombinant mouse Fgf2 consists 162 amino acids with a predicted molecular mass of 18.5 kDa.		
<b>Purity:</b>	> 95 % as determined by SDS-PAGE.		
<b>Biological Activity:</b>	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.		
<b>Predicted N-terminal:</b>	Met		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		



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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