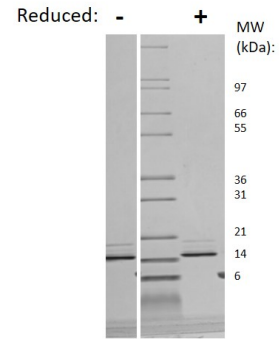
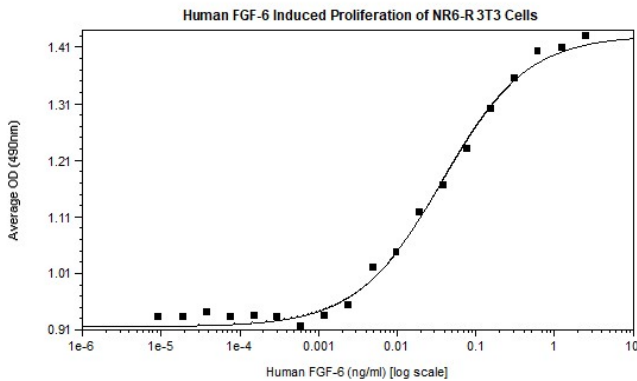


FGF6

Recombinant Human Fibroblast Growth Factor 6, Animal Free

Catalog No.	CRF005A-AF CRF005B-AF CRF005C-AF	Quantity:	5 µg 25 µg 1.0 mg
Alternate Names:	FGF-6, Heparin secretory-transforming protein 2, HST-2, HSTF-2, Heparin-binding growth factor 6, HBGF-6		
Description:	Fibroblast growth factor 6 (FGF-6) is a heparin-binding growth factor that is expressed in epithelial and mesenchymal lineages. FGF-6 binds and signals through the FGF receptors FGFR1, FGFR2, and FGFR4. FGF-6 functions as a mitogen for vascular endothelial cells and fibroblasts. Plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis and myogenesis, and is required for normal muscle regeneration. Manufactured in an Animal-Free facility, without Animal-Derived materials.		
UniProt ID:	P10767		
Gene ID:	2251		
Source:	<i>E. coli</i> .		
Molecular Weight:	18.9 kDa (169 aa)		
Formulation:	Lyophilized from sterile-filtered 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5		
Purity:	≥ 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EUs/µg by kinetic LAL analysis		
Biological Activity:	ED ₅₀ ≤ 1.0 ng/ml, determined by its ability to induce the proliferation of mouse 3T3 fibroblasts, in the presence of heparin.		
Specific Activity:	≥ 1.0 x 10 ⁶ units/mg.		
Amino Acid Sequence:	MGTRANNTLL DSRGWGTTLLS RSRAGLAGEI AGVNWESGYL VGIKRQRRRLY CNVGIGFHLQ VLPDGRISGT HEENPYSLL EISTVERGVVS LFGVRSALFV AMNSKGRLYA TPSFQEECKF RETLLPNNYN AYESDLYQGT YIALSKYGRV KRGSKVSPIM TVTHFLPRI		
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:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		





Human FGF-6 Gel

Figure: 1 ug run under (-) non-reducing and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human FGF-6 is predicted to have a MW of 18.9 kDa. All visible bands were confirmed to be FGF-6 via western blot.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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