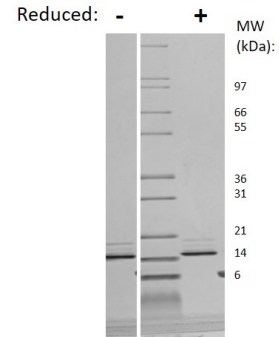
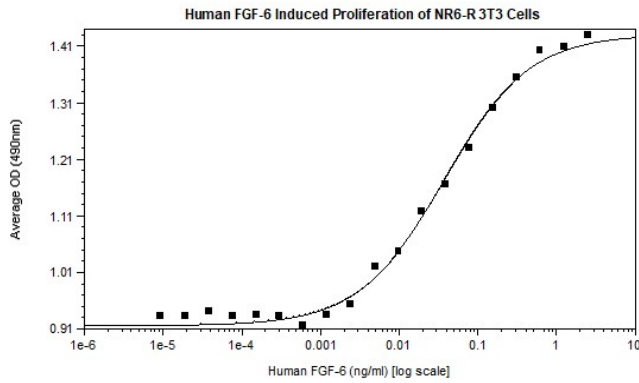


## FGF6

### Recombinant Human Fibroblast Growth Factor 6

<b>Catalog No.</b>	CRF005A CRF005B CRF005C	<b>Quantity:</b>	5 µg 25 µg 1.0 mg
<b>Alternate Names:</b>	FGF-6, Heparin secretory-transforming protein 2, HST-2, HSTF-2, Heparin-binding growth factor 6, HBGF-6		
<b>Description:</b>	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.		
<b>UniProt ID:</b>	P10767		
<b>Gene ID:</b>	2251		
<b>Source:</b>	<i>E. coli</i> .		
<b>Molecular Weight:</b>	18.9 kDa (169 aa)		
<b>Formulation:</b>	Lyophilized from sterile-filtered 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5		
<b>Purity:</b>	≥ 95% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤ 1 EUs/µg by kinetic LAL analysis		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤ 1.0 ng/ml, determined by its ability to induce the proliferation of mouse 3T3 fibroblasts, in the presence of heparin.		
<b>Specific Activity:</b>	≥ 1.0 x 10 <sup>6</sup> units/mg.		
<b>Amino Acid Sequence:</b>	MGTRANNTLL DSRGWGTLLS RSRAGLAGEI AGVNWESGYL VGIKRQRRLY CNVGIGFHLQ VLPDGRISGT HEENPYSLL EISTVERGVVS LFGVRSALFV AMNSKGRLYA TPSFQEECKF RETLLPNNYN AYESDLYQGT YIALSKYGRV KRGSKVSPIM TVTHFLPRI		
<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>	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. <b>Avoid repeated freeze-thaw cycles.</b>		





#### 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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