

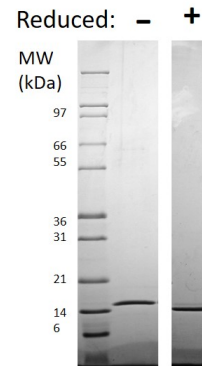
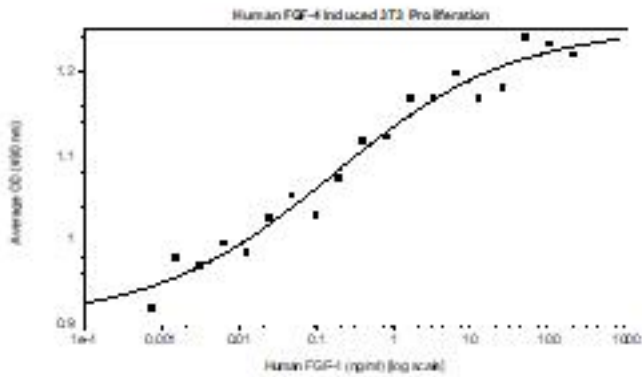
FGF4

Recombinant Human Fibroblast Growth Factor 4

| | | | |
|-----------------------------|---|------------------|---------------------------------|
| Catalog No. | CRF003A CRF003B CRF003C CRF003D | Quantity: | 5 µg 25 µg 1 mg 100 µg |
| Alternate Names: | FGF-4, Heparin-binding growth factor 4, HBGF-4, Heparin secretory-transforming protein 1, HST, HST-1, HSTF1, Transforming protein KS3 | | |
| Description: | Fibroblast Growth Factor 4 (FGF-4) is a growth factor predominantly expressed during embryonic development, playing a key role in limb and cardiac valve development. In culture, FGF-4 has been shown to be an important regulator of growth for stem cells, fibroblasts and endothelial cells. FGF-4 contains a single N-linked glycosylation signal. Unglycosylated FGF-4 is N-terminally cleaved into 13 kDa or 15 kDa proteins that are more active than the precursor 19 kDa protein. Human FGF-4 shares high homology and cross-reactivity with the mouse protein. | | |
| Gene ID: | 2249 | | |
| UniProt ID: | P08620 | | |
| Source: | <i>E. coli</i> | | |
| Molecular Weight: | Monomer, 19.4 kDa (177 aa) | | |
| Formulation: | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 75 mM sodium chloride, pH 7.5 | | |
| Purity: | ≥ 95%, by reducing and non-reducing SDS-PAGE. | | |
| Endotoxin Level: | ≤ 1 EU/µg by kinetic LAL | | |
| Biological Activity: | ED ₅₀ ≤ 5 ng/ml, determined by its ability to induce the proliferation of mouse NR6R-3T3 fibroblasts | | |
| Specific Activity: | ≥2.0 x 10 ⁵ units/mg | | |
| Amino Acid Sequence: | MAPTAPNGTL EAELERRWES LVALSLARLP VAAQPKEAAV QSGAGDYLLG IKRLRRLYCN VGIGFHLQAL PDGRIGGAHA DTRDLSLELS PVERGVVSIF GVASRFFVAM SSKGKLYGSP FFTDECTFKE ILLPNNYNAY ESYKYPGMFI ALSKNGKTKK GNRVSPTMKV THFLPRL | | |
| Reconstitution: | Centrifuge vial prior to opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions. | | |

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 CD40-Ligand

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human CD40 Ligand has a predicted MW of 16.3 kDa.

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



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