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32-12044: Human Fibroblast Growth Factor-4

Gene :	FGF4
Gene ID :	2249
Uniprot ID :	P08620
Alternative Name :	Heparin secretory-transforming protein 1, Heparin-binding growth factor 4, Transforming protein KS3, HST, HSTF1, KS3

Description

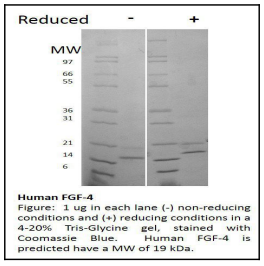
Source: Genetically modified E.coli.
Predicted MW: Monomer, 19.4 kDa (177 aa)
Fibroblast growth factor 4 (FGF-4) is a secreted growth factor that is predominantly expressed during bone morphogenesis and embryonic limb development. FGF-4 is an important growth regulator for stem cells, fibroblasts, and endothelial cells. FGF-4 contains a single N-linked glycosylation signal. In-vitro studies suggest that unglycosylated FGF-4 is cleaved into 13 kDa and 15 kDa truncated proteins that have greater biological activity than the wild type 19 kDa FGF-4 protein. Human FGF-4 shares high homology and is cross-reactive with mouse FGF-4.

Product Info

Amount :	25 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 75 mM sodium chloride, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MAPTAPNGTL EAELERRWES LVALSLARLP VAAQPKEAAV QSGAGDYLLG IKRLRRLYCN VGIGFHLQAL PDGRIGGAHA DTRDSLLELS PVERGVVSIF GVASRFFVAM SSKGKLYGSP FFTDECTFKE ILLPNNYNAY ESYKYPGMFI ALSKNGKTKK GNRVSPTMKV THFLPRL

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Human FGF-4
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human FGF-4 is predicted have a MW of 19 kDa.

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