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32-12059: Human Fibroblast Growth Factor-10 (AF)

Gene :	FGF10
Gene ID :	2255
Uniprot ID :	O15520
Alternative Name :	Keratinocyte growth factor 2

Description

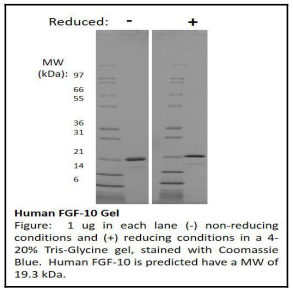
Source: Genetically modified E.coli.
Predicted MW: Monomer, 19.3 kDa (170 aa)
Fibroblast growth factor 10 (FGF-10) is a growth factor that is important during embryonic development, especially during lung, limb, brain, heart, and kidney morphogenesis. FGF-10 is expressed in mesenchymal cells and facilitates epithelial-mesenchymal signaling through binding the epithelially expressed FGF receptor 2b (FGFR2b). FGF-10 also functions as a mitogen for keratinizing epidermal cells, and induces the migration and invasion of cancer cells.

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, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MLGQDMVSPEÂ ATNSSSSSFSÂ SPSSAGRHVRÂ SYNHLQGDVRÂ WRKLFSFTKYÂ FLKIEKNGKVÂ SGTK KENCPYÂ SILEITSVEIGVVAVKAINSÂ NYYLAMNKKGÂ KLYGSKEFNNÂ DCKLKERIEEÂ NGYNTYASFNÂ WQHNGRQMYVÂ ALNGKGAPRRÂ GQKTRRKNTSÂ AHFLPMVVHS

Application Note

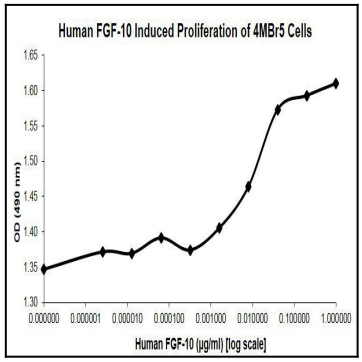
Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Biological Activity was determined by 4MBr-5 cell proliferation at <=200 ng/mL; >= 5.0 x 10^3 units/mg (typical ED50 is < 80 ng/mL). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution 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-10 Gel
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-10 is predicted have a MW of 19.3 kDa.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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