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32-12067: Human Fibroblast Growth Factor-basic 154

Gene :	FGF2
Gene ID :	2247
Uniprot ID :	P09038
Alternative Name :	Basic fibroblast growth factor, Heparin-binding growth factor 2, FGFB

Description

Source: Genetically modified E.coli.
Predicted MW: Monomer, 17.3 kDa (155 aa)
Basic fibroblast growth factor (FGF-basic), also known as FGF-2, is expressed by endothelial cells and is a mediator of angiogenesis. FGF-basic also has cardioprotective functions during heart injury. FGF-basic is a critical component for embryonic stem cell culture systems and is necessary for maintaining cells in an undifferentiated state. Recombinant FGF-basic 154 is the full length FGF-basic protein encoded by the human FGF-2 gene. There are no detectable differences in biological activity between FGF-basic 154 and the truncated FGF-basic 147 proteins.

Product Info

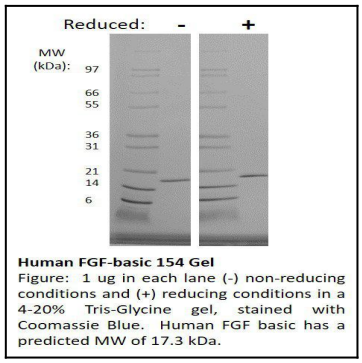
Amount :	50 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 75 mM sodium chloride, pH 8.0 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MAAGSITTLP ALPEDGGSGA FPPGHFKDPK RLYCKNGGFF LRIHPDGRVD GVREKSDPHI KLQLQAEERG VVSIKGVCAN RYLAMKEDGR LLASKCVTDE CFFFERLESN NYNTYRSRKY TSWYVALKRT GQYKLGSKTG PGQKAILFLP MSAKS

Application Note

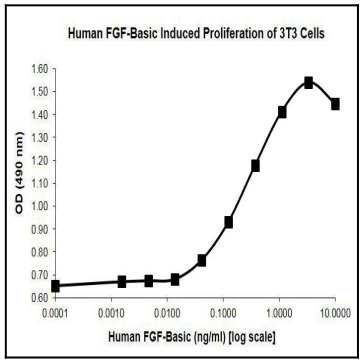
Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Biological Activity was determined by 3T3 Proliferation. at <=5 ng/mL; >= 2.0 x 10^5 units/mg (typical ED50 is < 1 ng/mL). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the 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.

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

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Human FGF-basic 154 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 basic has a predicted MW of 17.3 kDa.



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