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32-12069: Mouse Fibroblast Growth Factor-basic

Gene :	Fgf2
Gene ID :	14173
Uniprot ID :	P15655
Alternative Name :	Basic fibroblast growth factor, Heparin-binding growth factor 2, Fgf-2

Description

Source: Genetically modified E.coli.
Predicted MW: Monomer, 16.5 kDa (146 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. The application of FGF-basic is a critical component for human embryonic stem cell culture systems and is necessary for maintaining human embryonic stem cells in an undifferentiated state.

Product Info

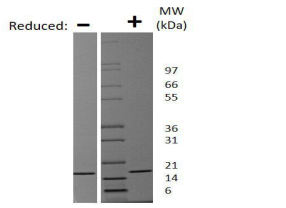
Amount :	50 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MPALPEDGGA AFPPGHFKDP KRLYCKNGGF FLRIHPDGRV DGVREKSDPH VKLQLQAEER GVVSIKGVCA NRYLAMKEDG RLLASKCVTE ECFFFERLES NNYNTYRSRK YSSWYVALKR TGQYKLGSKT GPGQKAILFL PMSAKS

Application Note

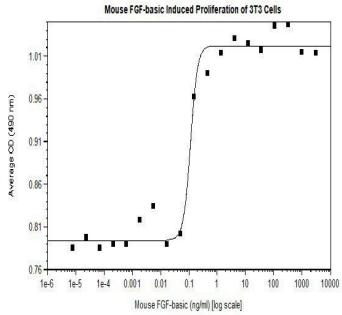
Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Biological Activity was determined by 3T3 cell Proliferation at <=ED50 <= 2.5 ng/mL (>= 4.0 x 10^5 units/mg) (typical ED50 is < 0.5 ng/mL). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended 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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Mouse FGF-basic Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse FGF-basic is predicted to have a MW of 16.5 kDa.



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