

Active Recombinant Human FGF18 Protein (Ala27-Arg199), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF18-308H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF18 Protein (Ala27-Arg199) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala27-Arg199
Description	Fibroblast Growth Factors-18 (FGF-18) is a 24 kDa member of the fibroblast Growth Factors with 207 amino acid residues. FGF-18 is mainly expressed from glandular and luminal cells, cardiomyocytes, breast myoepithelial cells and endometrial ciliated cells. FGF-18 involved cell proliferation, cell differentiation and cell migration. FGF-18 is an important role in skeletal growth and development, stimulates hepatic and intestinal proliferation.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is 1.3-2.0 ng/mL. The specific activity of recombinant human FGF-18 is $> 5 \times 10^5$ IU/mg.
Molecular Mass	The protein has a calculated MW of 21.11 kDa. The protein migrates as 20 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	FGF18 fibroblast growth factor 18 [Homo sapiens (human)]
Official Symbol	FGF18
Synonyms	FGF18; fibroblast growth factor 18; FGF 18; ZFGF5; FGF-18;
Gene ID	8817
mRNA Refseq	NM_003862
Protein Refseq	NP_003853

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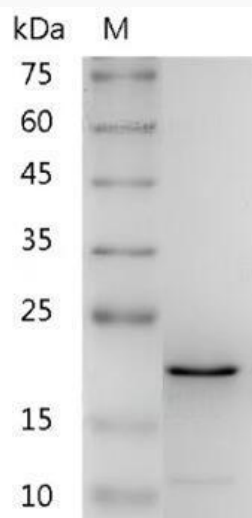
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MIM 603726

UniProt ID O76093

SDS-PAGE analysis
of recombinant
human FGF-18.



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