

CHAMOT

Recombinant FGF-18, Human, Animal-Free

CM107-5HP

CM107-20HP

CM107-100HP

CM107-500HP

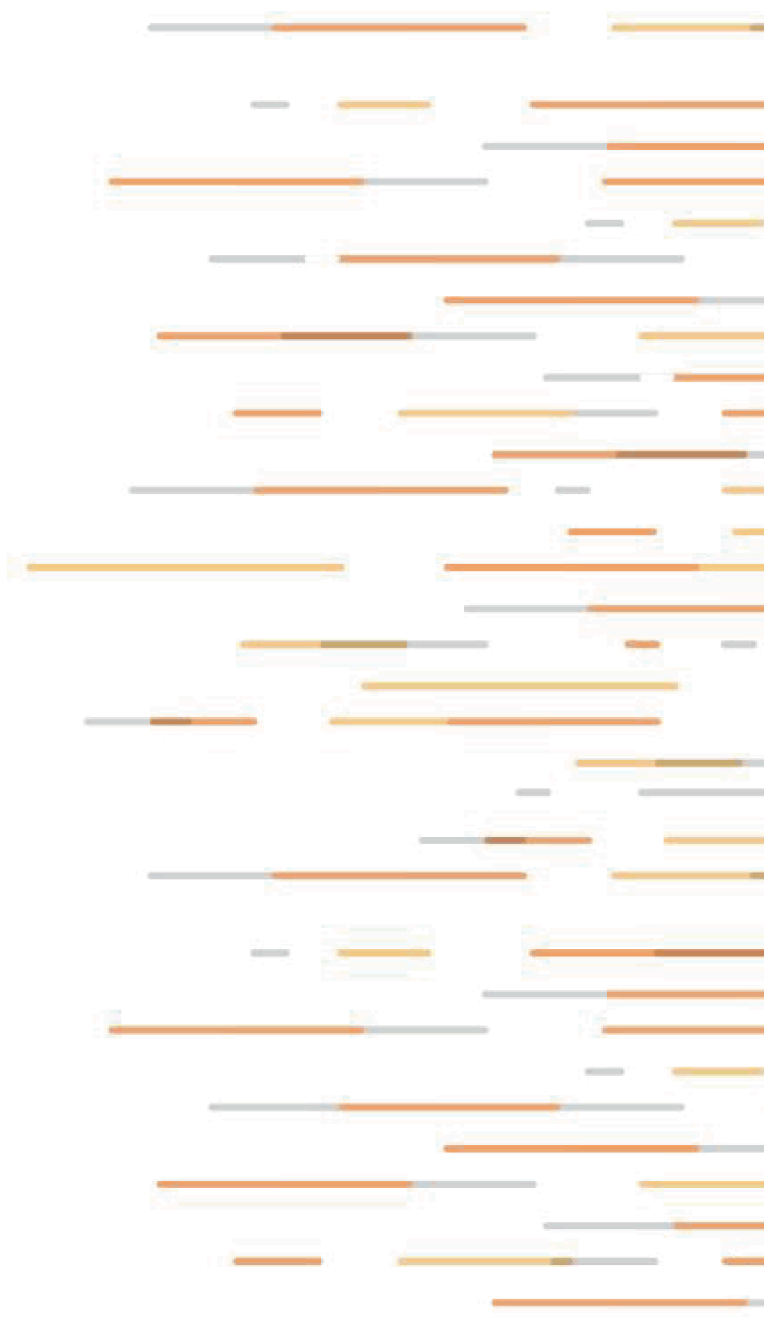
CM107-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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Recombinant FGF-18, Human, Animal-Free

Catalog#	CM107-5HP	CM107-20HP	CM107-100HP	CM107-500HP	CM107-1000HP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background

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.

Synonyms

fibroblast growth factor 18, FGFI, zFGF5, FGF18

Uniprot ID

O76093

Molecular Weight

The protein has a calculated MW of 21.11 kDa. The protein migrates as 20 kDa under reducing condition (SDS-PAGE analysis).

Expression System

Escherichia coli

Purity

>98% as determined by SDS-PAGE.

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 x 10⁵ IU/mg.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Protein Sequence

MAEENVDFRIHVENQTRARDDVSRKQLRLYLQYSRTSGKHIQVLGRRISARGEDGDKYAQL LVETDTFGSQVRIKGGKETEFYLCMNRKGLVGGKPDGTSKECVFIEKVLNNYTALMSAKYSG WYVGFTKKGRPRKGPKTRENQQDVHFMKRYPKGQPELQKPFKYTTVTKRSR with polyhistidine tag at the C-terminus.

Form

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

Application

Cell Culture

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Storage/Shipping

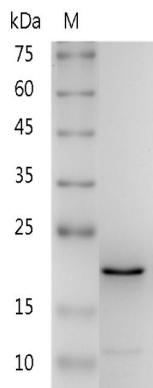
Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping

Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant human FGF-18

For Research Use or Further Manufacturing Only

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