

Recombinant Mouse FGF18 protein(Met1-Gly207), His-tagged

Cat. No. Fgf18-491M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FGF18 (NP_032031.1) (Met 1-Gly 207) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-207 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse FGF18 at 10 µg/mL (100 µl/well) can bind Rat FGFR4, The EC50 of Rat FGFR4 is 0.44 µg/mL.
Molecular Mass	The secreted recombinant mouse FGF18 comprises 191 amino acids and has a predicted molecular mass of 22.5 kDa. As a result of glycosylation, it migrates as an approximately 30-35 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Fgf18 fibroblast growth factor 18 [Mus musculus]
Official Symbol	FGF18
Synonyms	FGF18; fibroblast growth factor 18; zFGF5; FGF-18; D130055P09Rik;
Gene ID	14172
mRNA Refseq	NM_008005
Protein Refseq	NP_032031

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