

Active Recombinant Human FGF18 Protein, His-tagged

Cat. No. FGF18-504H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGF18 (O76093) (Met 1-Ala 207) was fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met 1-Ala 207
Predicted N Terminal	Glu 28
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA.2. Immobilized human FGF18 at 10 µg/mL (100 µl/well) can bind Rat FGFR4, The EC50 of Rat FGFR4 is 1.17 µg/mL.
Molecular Mass	The secreted recombinant human FGF18 comprises 191 amino acids and has a predicted molecular mass of 22.3 kDa. The apparent molecular mass of rh FGF18 is approximately 32 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>92 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	FGF18 fibroblast growth factor 18 [Homo sapiens]
Official Symbol	FGF18
Synonyms	FGF18; fibroblast growth factor 18; FGF 18; ZFGF5; FGF-18;
Gene ID	8817
mRNA Refseq	NM_003862.2
Protein Refseq	NP_003853.1
MIM	603726
UniProt ID	O76093

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