

Active Recombinant Human FGF7 protein, His-Avi-tagged, Biotinylated

Cat. No. FGF7-1461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human FGF7 protein(Cys32-Thr194), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	32-194 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.
Bio-activity	Loaded Biotinylated Human FGF-7, His,Avitag on SA Biosensor, can bind Human FGF R2 (IIIb), Fc Tag with an affinity constant of 37 nM as determined in BLI assay (ForteBio Octet Red96e).Loaded Biotinylated Human FGF-7, His,Avitag on SA Biosensor, can bind Human FGF R1, His Tag with an affinity constant of 243 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 22.6 kDa. The protein migrates as 25-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Cys32-Thr194
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	FGF7 fibroblast growth factor 7 [Homo sapiens]
Official Symbol	FGF7
Synonyms	FGF7; fibroblast growth factor 7; fibroblast growth factor 7 (keratinocyte growth factor); keratinocyte growth factor; KGF; FGF-7; heparin-binding growth factor 7; HBGF-7;
Gene ID	2252
mRNA Refseq	NM_002009
Protein Refseq	NP_002000
MIM	148180
UniProt ID	P21781

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