

Active Recombinant Human FGF7 protein, His-tagged

Cat. No. FGF7-594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF7 protein(P21781-1)(Cys 32 - Thr 194), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Cys 32 - Thr 194
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Human FGF R2 (IIIb), Fc Tag immobilized on CM5 Chip can bind Human FGF-7, His Tag with an affinity constant of 0.275 µM as determined in a SPR assay (Biacore 8K).
Molecular Mass	The protein has a calculated MW of 20.8 kDa. The protein migrates as 25-27 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles.

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This product is stable after storage 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.

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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