

Active Recombinant Human FGF7 protein

Cat. No. FGF7-28647TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF7 protein(P21781)(32-194 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	32-194 aa
Form	Lyophilized from a 0.2 µ filtered solution in 20 mM PB, 0.5 M NaCl, pH 8.0.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg.
Molecular Mass	Approximately 18.9 kDa, a single, non-glycosylated polypeptide chain containing 163 amino acids.
AASequence	CNDMTPEQMA TNVNCSSPER HTRSYDYMEG GDIRVRRLLFC RTQWYLRIKD RGKVKGQTQEM KNNYNIMEIR TVAVGIVAIAK GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHNTY ASAKWTHNGG EMFVALNQKG IPVRGKKTKK EQKTAHFLPM AIT
Endotoxin	Less than 1 EU/g of rHuKGF-1/FGF-7 as determined by LAL method.
Purity	> 96 % by SDS-PAGE and HPLC analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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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SDS-PAGE