

## Active Recombinant Human FGF7 protein

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FGF7 protein(P21781)(32-194 aa) was expressed in E. coli.                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 32-194 aa                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from a 0.2 µ filtered solution in 20 mM PB, 0.5 M NaCl, pH 8.0.                                                                                                                                                                |
| <b>Bio-activity</b>     | 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. |
| <b>Molecular Mass</b>   | Approximately 18.9 kDa, a single, non-glycosylated polypeptide chain containing 163 amino acids.                                                                                                                                           |
| <b>AASequence</b>       | CNDMTPEQMA TNVNCSSPER HTRSYDYMEG GDIRVRRLLFC RTQWYLRIKD<br>RGKVKGQTQEM KNNYNIMEIR TVAVGIVAIAK GVESEFYLAM NKEGKLYAKK<br>ECNEDCNFKE LILENHNTY ASAKWTHNGG EMFVALNQKG IPVRGKKTKK<br>EQKTAHFLPM AIT                                             |
| <b>Endotoxin</b>        | Less than 1 EU/g of rHuKGF-1/FGF-7 as determined by LAL method.                                                                                                                                                                            |
| <b>Purity</b>           | > 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