

## Active Recombinant Human FGF7 Protein, Animal Free

Cat. No. FGF7-10H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FGF7 Protein without tag was expressed in Human cells.<br>Animal Free and Xeno Free                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | FGF-7 (KGF) is a member of the fibroblast growth factor family. FGF-7 is expressed in mesenchymal origin cells. FGF-7 plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. FGF-7 is required for normal branching morphogenesis, growth factor active on keratinocytes. FGF-7 is possible major paracrine effector of normal epithelial cell proliferation. |
| <b>Bio-activity</b>     | The activity was measured by its ability to stimulate the proliferation of 4MBr-5 cells (monkey epithelial cell line).                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 17-30 kDa                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | <0.5 EU/ µg                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | High Purity, >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability</b>        | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80                                                                                                                                                                       |

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**Storage Buffer** Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

**Reconstitution** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

## GENE INFORMATION

**Gene Name** FGF7 fibroblast growth factor 7 [ Homo sapiens (human) ]

**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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