

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. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|---|
| 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 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA