

## Recombinant Human FGF10 protein

**Cat. No.** FGF10-232H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FGF10 protein(O15520)(Gln38-Ser208) was expressed in E.coli.                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                  |
| <b>ProteinLength</b>    | Gln38-Ser208                                                                                                                                                            |
| <b>Tag</b>              | Non                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.                        |
| <b>Bio-activity</b>     | Human FGF10, No Tag immobilized on CM5 Chip can bind Human FGFR2 beta (IIIb) , hFc Tag with an affinity constant of 0.299 nM as determined in SPR assay (Biacore T200). |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 19.3 kDa. The protein migrates to 25 kDa based on Tris-Bis PAGE result.                                                               |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                 |
| <b>Purity</b>           | > 90% as determined by Tris-Bis PAGE                                                                                                                                    |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                    |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| <b>GENE INFORMATION</b> |                                                                                                                                                             |
| <b>Gene Name</b>        | FGF10 fibroblast growth factor 10 [ Homo sapiens ]                                                                                                          |
| <b>Official Symbol</b>  | FGF10                                                                                                                                                       |
| <b>Synonyms</b>         | FGF10; fibroblast growth factor 10; FGF-10; keratinocyte growth factor 2; produced by fibroblasts of urinary bladder lamina propria;                        |
| <b>Gene ID</b>          | 2255                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_004465                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_004456                                                                                                                                                   |
| <b>MIM</b>              | 602115                                                                                                                                                      |
| <b>UniProt ID</b>       | O15520                                                                                                                                                      |

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