

## Active Recombinant Human FGFR4 protein, His-tagged

Cat. No. FGFR4-3845H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human FGFR4 protein(Met 1-Asp 369)(NP_002002.3) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-369 aa                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                       |
| <b>Bio-activity</b>     | Measured by its ability to inhibit FGF acidic dependent proliferation of Balb/C 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.1-0.3 µg/ml.                                                                                 |
| <b>Molecular Mass</b>   | The secreted recombinant human FGFR4 consists of 359 amino acids and has a predicted molecular mass of 40 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh FGFR4 is approximately 60 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                    |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                                                            |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                        |

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**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.

**GENE INFORMATION**

|                  |                                                            |
|------------------|------------------------------------------------------------|
| <b>Gene Name</b> | FGFR4 fibroblast growth factor receptor 4 [ Homo sapiens ] |
|------------------|------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | FGFR4 |
|------------------------|-------|

|                 |                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | FGFR4; fibroblast growth factor receptor 4; CD334; JTK2; FGFR-4; tyrosylprotein kinase; protein-tyrosine kinase; hydroxyaryl-protein kinase; tyrosine kinase related to fibroblast growth factor receptor; TKF; MGC20292; |
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| <b>Gene ID</b> | 2264 |
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| <b>mRNA Refseq</b> | NM_002011 |
|--------------------|-----------|

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|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_002002 |
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|            |        |
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| <b>MIM</b> | 134935 |
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|-------------------|--------|
| <b>UniProt ID</b> | P22455 |
|-------------------|--------|

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