

## Recombinant Human FGFR4 protein, His-Avi-tagged

Cat. No. FGFR4-140H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human FGFR4 Protein is expressed from mammalian with a His tag and Avi Tag at the C-terminal. It contains Leu22-Asp369.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | It contains Leu22-Asp369.   |
| <b>Description</b>      | Fibroblast growth factor receptor 4 (FGF R4), also known as CD334, is a 110 kDa glycosylated transmembrane receptor tyrosine kinase. Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays a role in the regulation of cell proliferation, differentiation and migration, and in regulation of lipid metabolism, bile acid biosynthesis, glucose uptake, vitamin D metabolism and phosphate homeostasis. Required for normal down-regulation of the expression of CYP7A1, the rate-limiting enzyme in bile acid synthesis, in response to FGF19. |
| <b>Form</b>             | Supplied as 0.22um filtered solution in 20mMPB, 150mMNaCl, pH 7.4.  |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 41.4 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Bis-Tris PAGE result.  |
| <b>Endotoxin</b>        | Less than 0.01 EU per ug by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC   |

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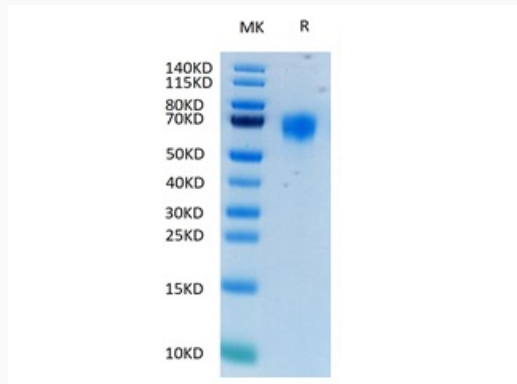
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|-------------------------|--|
| <b>Storage</b>          | The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.  |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.  |
| <b>GENE INFORMATION</b> |  |
| <b>Gene Name</b>        | FGFR4 fibroblast growth factor receptor 4 [ Homo sapiens ]   |
| <b>Official Symbol</b>  | FGFR4  |
| <b>Synonyms</b>         | CD334 antigen; CD334; EC 2. 7. 10; EC 2. 7. 10. 1; FGF R4; FGFR4; FGFR-4; fibroblast growth factor receptor 4; JTK2hydroxyaryl-protein kinase; MGC20292; protein-tyrosine kinase; TKF; tyrosine kinase related to fibroblast growth factor receptor; tyrosylprotein kinase |
| <b>Gene ID</b>          | 2264   |
| <b>mRNA Refseq</b>      | NM_002011  |
| <b>Protein Refseq</b>   | NP_002002  |
| <b>MIM</b>              | 134935   |
| <b>UniProt ID</b>       | P22455   |

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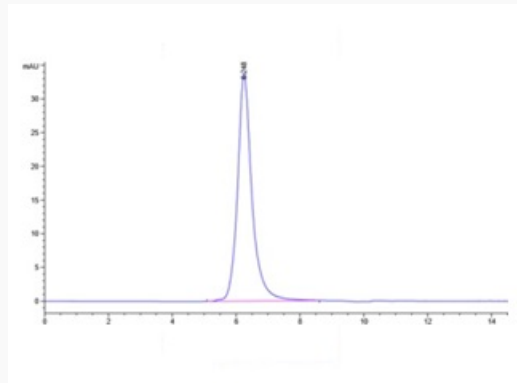
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**Tris-Bis PAGE**



**HPLC data**



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