

Biotinylated Human FGFR4 Protein

Cat. No. FGF-HM4R4B

Description

| | |
|-------------------------|--|
| Source | Recombinant Biotinylated Human FGFR4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Leu22-Asp369. |
| Accession | P22455-1 |
| Molecular Weight | The protein has a predicted MW of 41.4 kDa. Due to glycosylation, the protein migrates to 55-72 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

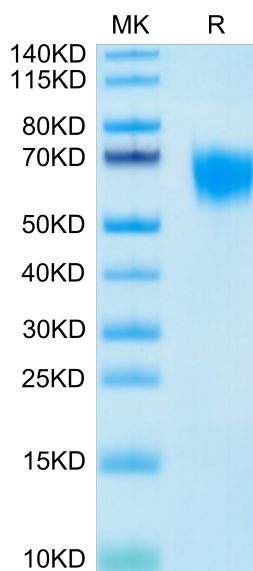
| | |
|-----------------------|--|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

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.

Assay Data

Bis-Tris PAGE



Biotinylated Human FGFR4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

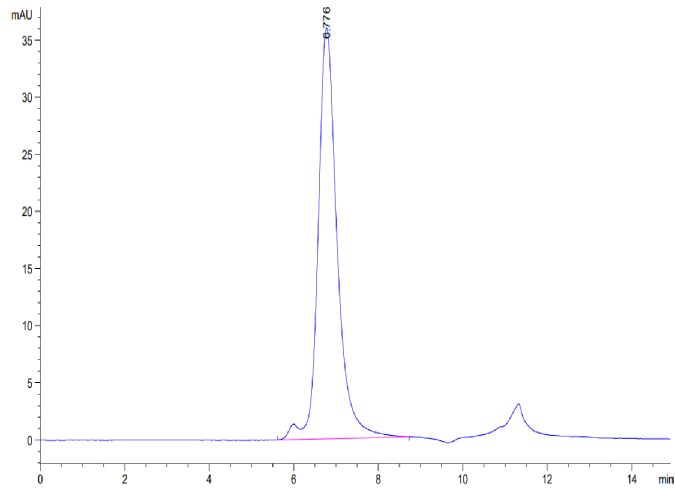
SEC-HPLC

Biotinylated Human FGFR4 Protein

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Assay Data



The purity of Biotinylated Human FGFR4 is greater than 95% as determined by SEC-HPLC.