For Research Use Only

Recombinant Mouse FGFR4 protein (rFc Tag)

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Catalog Number: Eg6332

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse FGFR4 protein Leu17-Asp366 (Accession# Q03142-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
14186

Accession:
Q03142-1

Predicted Molecular Mass:
64.4 kDa

SDS-PAGE:
72-95 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Fibroblast growth factor receptor 4 (FGFR4) is a member of a highly conserved tyrosine kinase family, along with FGFR1-3. This family consists of an intracellular tyrosine kinase domain, a single transmembrane domain, and extracellular ligand binding domains. FGFR4 is the predominant FGFR isoform present in human hepatocytes. FGFR4 has been proposed to play a role in the observed induction of hepatocyte proliferation and carcinogenesis by FGF19; however, contradicting evidence proposing a protective role for FGFR4 in suppressing hepatoma progression has also been proposed. While the role of FGFR4 in cancer remains to be fully elucidated, several findings suggest that this receptor may be an important player in Hepatocellular carcinoma (HCC) development and/or progression.

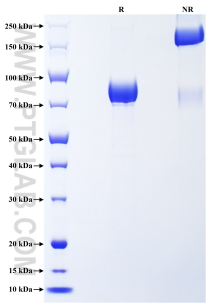
References

1. Levine KM.et al. (2020). Pharmacol Ther.214:107590.
2. Wu X.et al. (2009).J Biol Chem.285(8):5165-5170.
3. Kan M.et al. (1999).J Biol Chem.274(22):15947-15952.

Synonyms

CD334, EC:2.7.10.1, FGFR-4, Fibroblast growth factor receptor 4, Mpk-11

Selected Validation Data



Purity of Recombinant Mouse FGFR4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.