

Recombinant Mouse FGFR-4/CD334 Protein

Catalog No.: RP01536 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	14186	Q03142

Tags

C-hFc

Synonyms

Fgfr-4;FGFR4;CD334;JTK2;MGC20292;TKF;
;FGFR4;Fgfr-4;FGFR4;CD334;JTK2;MGC20
292;TKF;FGFR4

Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

Endotoxin

<0.1EU/ μ g

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The protein is a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described.

Basic Information

Description

Recombinant Mouse FGFR-4/CD334 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu17-Asp366) of mouse FGFR-4/CD334 (Accession #NP_032037.2) fused with a hFc tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human FGF2 (Catalog: RP01042) at 5 μ g/mL (100 μ L/well) can bind Mouse FGFR-4/CD334 (Catalog: RP01536) with a linear range of 0.12 -53.83 ng/mL.

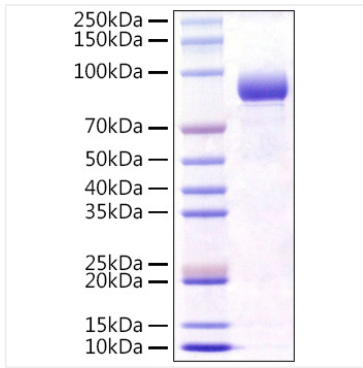
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

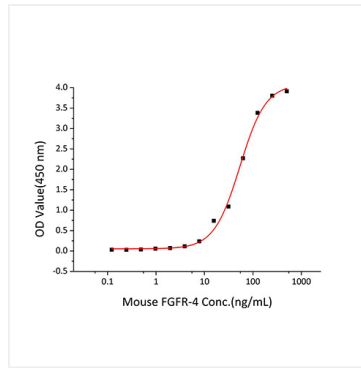
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse FGFR-4/CD334 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 80-95kDa.



Immobilized Human FGF2 Protein at 5 μ g/mL (100 μ L/well) can bind Mouse FGFR-4/CD334 with a linear range of 0.12 -53.83 ng/mL.