

Recombinant Mouse FGFR-4/CD334 Protein

Catalog No.: RP01536

Sequence Information

Species **Gene ID**
Mouse 14186

Swiss Prot **Tags**
Q03142 C-hFc

Synonyms

Fgfr-4, FGFR4, CD334, JTK2,
MGC20292, TKF, FGFR4, Fgfr-4,
FGFR4, CD334, JTK2, MGC20292,
TKF, FGFR4

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
64.79 kDa 80-95 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm 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.

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.

Activity

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

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

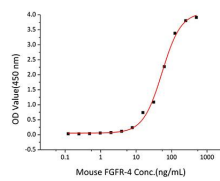
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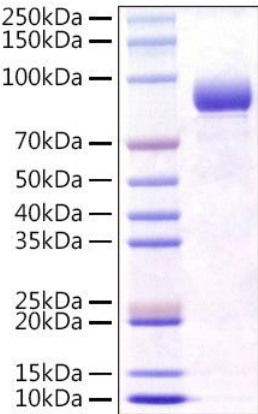
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Validation Data



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



Recombinant Mouse FGFR-4/CD334 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.