

Recombinant Mouse FGFR-4/CD334 Protein

Catalog No.: RP01469

Sequence Information

Species **Gene ID**
Mouse 14186

Swiss Prot **Tags**
Q03142 C-His

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**
39.65 kDa 55-70 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 FGFR4/FGF Receptor 4 (Accession #NP_032037.2) fused with a 6×His tag at the C-terminus.

Activity

Measured by its ability to inhibit FGF acidic-dependent proliferation of Balba3T3 mouse fibroblast cells. The ED₅₀ for this effect is 38.74-154.96 ng/mL in the presence of mouse FGF-1/aFGF (Catalog: RP00487), corresponding to a specific activity of 6.45×10³~2.58×10⁴ units/mg.

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.

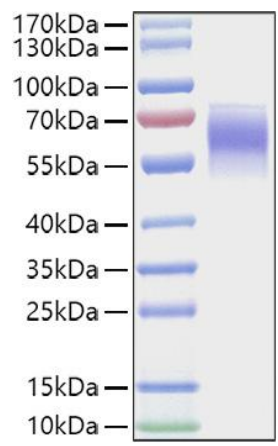
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☎ | 400-999-6126

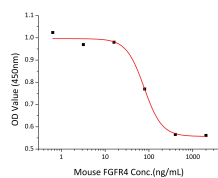
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Validation Data



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



Recombinant Mouse FGFR-4/CD334 inhibit FGF acidic-dependent proliferation of Balba3T3 mouse fibroblast cells. The ED_{50} for this effect is 38.74-154.96 ng/mL in the present of mouse FGF-1/aFGF(Catalog: RP00487), corresponding to a specific activity of $6.45 \times 10^3 \sim 2.58 \times 10^4$ units/mg.