

Recombinant Mouse Fc-gamma RIV/FCGR3A/CD16a Protein

Catalog No.: RP01394 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	246256	A0A0B4J1G0

Tags

C-His

Synonyms

Fc gamma
RIV;CD16-2;Fcgr4;FCGR4;mouse
igg;FcγR4

Product Information

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

Calculated MW	Observed MW
21.77 kDa	32-38 kDa

Endotoxin

<0.1EU/μg

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.

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Background

FcγRIV is a relatively new IgG Fc receptor (FcγR) that is reported to contribute to the pathogenesis of autoimmune diseases. FcγRIII and FcγRIV are each essential to trigger an Fcγ-linker for activation of T-cell-dependent signal that drives C5a production in the Arthus reaction. A combined requirement for FcγRIII and FcγRIV in autoimmune injury, and identify the linker for activation of T cells adaptor as an integral component of linked FcγRIII and C5a anaphylatoxin receptor activation to generate inflammation.

Basic Information

Description

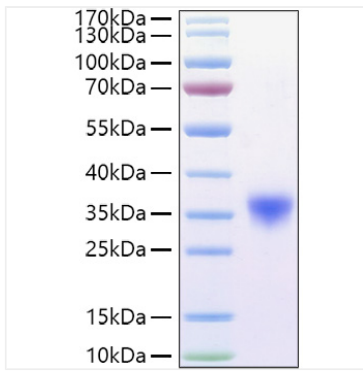
Recombinant Mouse Fc-gamma RIV/FCGR3A/CD16a Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly21-Gln 203) of mouse Fc gamma RIV/CD16-2 (Accession #NP_653142.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

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 Fc-gamma RIV/CD16-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 32-38kDa.