# Recombinant Mouse Fc-gamma RIV/FCGR3A /CD16a Protein

**Catalog No.: RP01394**

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## Sequence Information

| Species | Gene ID |
|---|---|
| Mouse | 246256 |
| **Swiss Prot** | **Tags** |
| A0A0B4J1G0 | C-His |

**Synonyms**
Fc gamma RIV,CD16-2,Fcgr4, FCGR4,mouse igg,FcgR4

## Product Information

| Source | Purification |
|---|---|
| HEK293 cells | ≥ 95 % as determined by SDS-PAGE. |
| **Calculated MW** | **Observed MW** |
| 21.77 kDa | 35-40 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

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

**Activity**

**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℃

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

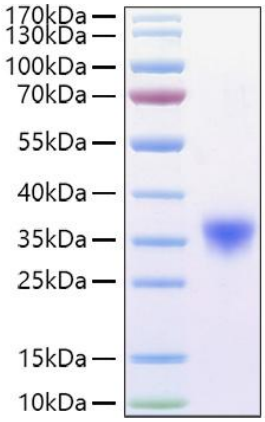
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## Validation Data




Recombinant Mouse Fc-gamma RIV/FCGR3A/CD16a Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.