

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

Catalog No.: RP01394 Recombinant

## **Sequence Information**

**Species Gene ID Swiss Prot** Mouse 246256 A0A0B4|1G0

**Tags** 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 32-38 kDa

### Endotoxin

 $< 0.1 \; \text{EU/}\mu\text{g}$  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.

#### **Contact**

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# **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.

#### **Bio-Activity**

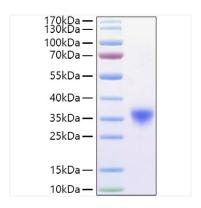
#### Storage

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/FCGR3A/CD16a Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.