

Active Recombinant Mouse Fcgr4 protein, His-Avi-tagged

Cat. No. Fcgr4-3996M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fcgr4 protein(NP_653142.2)(Met1-Gln203), fused with His-Avi tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gln203
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA.Immobilized mouse CD16-2-AVI-His at 10 µg/ml (100 µl/well) can bind recombinant human IgG1 (Fc). The EC50 of human IgG1 (Fc) is 0.34-0.78 µg/ml.
Molecular Mass	The recombinant mouse FCGR4 consists of 214 amino acids and has a predicted molecular mass of 24.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFCGR4 is approximately 25-35 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Fcgr4 Fc receptor, IgG, low affinity IV \[Mus musculus \]](#)

Official Symbol [Fcgr4](#)

Synonyms FCGR4; Fc receptor, IgG, low affinity IV; Fc gammaRIV; Fc receptor-like 3; Fc fragment of IgG, low affinity IIIa, receptor for (CD16); Fc fragment of IgG, low affinity III, receptor for (CD16); Fcrl3; CD16-2; FcgRIV; Fcgr3a; FcgammaRIV; 4833442P21Rik;

Gene ID [246256](#)

mRNA Refseq [NM_144559](#)

Protein Refseq [NP_653142](#)

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