

## Active Recombinant Mouse Fcgr4 protein, His/AVI-tagged, Biotinylated.

**Cat. No.** Fcgr4-3997M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Fcgr4(Met 1-Gln 203) fused with His/AVI tag at C-terminal was expressed in HEK293, the expressed protein was biotinylated in vivo by the BiotinProtein ligase (BirA enzyme) which is co-expressed.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Gln 203
<b>Description</b>	Fcgr4 played an important role in many functions.
<b>Predicted N Terminal</b>	Glu 19
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.
<b>Bio-activity</b>	1. Measured by its ability to bind human IgG1 (Fc) in a functional ELISA. 2. Labeling ratio of biotin to protein: 0.6
<b>Molecular Mass</b>	The recombinant mouse FCGR4 consists of 214 amino acids and has a predicted molecular mass of 24.2 kDa. In SDS-PAGE under reducing

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	conditions, the apparent molecular mass of rmFCGR4 is approximately 35-40 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade
<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Detailed reconstitution instructions are sent along with the products.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Fcgr4 Fc receptor, IgG, low affinity IV [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Fcgr4
<b>Synonyms</b>	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;
<b>Gene ID</b>	246256
<b>mRNA Refseq</b>	NM_144559

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**Protein Refseq** NP\_653142

**Chromosome Location** 1 H3; 1 78.53 cM

**Pathway** Adaptive Immune System, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;

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