

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
ProteinLength	Met 1-Gln 203
Description	Fcgr4 played an important role in many functions.
Predicted N Terminal	Glu 19
Form	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.
Bio-activity	1. Measured by its ability to bind human IgG1 (Fc) in a functional ELISA. 2. Labeling ratio of biotin to protein: 0.6
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	conditions, the apparent molecular mass of rmFCGR4 is approximately 35-40 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	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.
Reconstitution	Detailed reconstitution instructions are sent along with the products.
Conjugation	Biotin
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; FcγRIV; FcγR3a; FcγRIV; 4833442P21Rik;
Gene ID	246256
mRNA Refseq	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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