

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

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

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                            |
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| <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.<br>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.<br>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 [ Mus musculus ]                                                                                                                                                                                                    |
| <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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