

Recombinant Rat Fcgr2a protein, Fc-tagged

Cat. No. Fcgr2a-4939R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fcgr2a(Met1-Leu216) fused with Fc region of human IgG1 at C-terminal was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Leu216
Description	Fcgr2a played an important role in many functions.
Predicted N Terminal	Asp 32
Form	Lyophilized from sterile PBS, pH 7.4.1. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any concerns or special requirements.
Molecular Mass	The recombinant rat FCGR2A consists 423 amino acids and predicts a molecular mass of 47.5 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade

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Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Fcgr2a Fc fragment of IgG, low affinity IIa, receptor (CD32) [Rattus norvegicus]
Official Symbol	Fcgr2a
Synonyms	FCGR2A; Fc fragment of IgG, low affinity IIa, receptor (CD32); low affinity immunoglobulin gamma Fc region receptor III; fcRIII; fc-gamma RIII; igG Fc receptor III; Fc receptor, IgG, low affinity III; Fc fragment of IgG low affinity IIa receptor for (CD32); Fcgr3; Fcgr3a;
Gene ID	116591
mRNA Refseq	NM_053843
Protein Refseq	NP_446295
MIM	

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UniProt ID	P27645
Chromosome Location	13q24
Pathway	Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem; Osteoclast differentiation, organism-specific biosystem;
Function	IgG binding; IgG receptor activity; receptor activity;

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