

Recombinant Cynomolgus Fc Fragment Of LgG, Low Affinity Ila, Receptor (CD32), AVI-tagged

Cat. No. FCGR2A-4108C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the Cynomolgus (<i>Macaca fascicularis</i>) CD32a (AAL92096.1) extracellular domain (Met 1 - Gly 220) was fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus.
Species	Cynomolgus
Source	Cynomolgus
ProteinLength	1-220 a.a.
Description	FCGR2A is a single-pass type I membrane protein which contains two Ig-like C2-type domains. FCGR2A binds to the Fc region of immunoglobulins gamma. It is a low affinity receptor. By binding to IgG, FCGR2A initiates cellular responses against pathogens and soluble antigens.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
Purity	> 95 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Predicted N terminal	Ala 30
Molecular Mass	The recombinant cynomolgus CD32a consists of 206 amino acids and has a calculated molecular mass of 22.9 kDa. The apparent molecular mass of the recombinant protein is approximately 33-35 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Storage	Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Pathways	Fc gamma R-mediated phagocytosis; Leishmaniasis; Osteoclast differentiation; Phagosome; Staphylococcus aureus infection; Systemic lupus erythematosus; Tuberculosis

GENE INFORMATION

Gene Name	FCGR2A Fc fragment of IgG, low affinity IIa, receptor (CD32) [<i>Macaca mulatta</i>]
Official Symbol	FCGR2A
Synonyms	FCGR2A; Fc fragment of IgG, low affinity IIa, receptor (CD32); CD32a
Gene ID	719996
mRNA Refseq	XM_001118066
Protein Refseq	XP_001118066
Chromosome Location	1

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