

Recombinant Human FCGR2A, His-tagged, Biotinylated

Cat. No. FCGR2A-259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human FcGR2A /CD32a Protein, Biotinylated (Biotinylated FcGR2A / CD32a) Gln 34 - Ile 218, was labeled with biotin based on rhCD32a Protein, which was produced in human 293 cells (HEK293).?

Species Human

Source HEK293

ProteinLength 34-218 a.a.

Description This gene encodes one member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils, and is involved in the process of phagocytosis and clearing of immune complexes. Alternative splicing results in multiple transcript variants.?

Form Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.

Molecular Mass Biotinylated FcGR2A / CD32a, fused with 6xHis tag at the C-terminus, has a calculated MW of 21.3 kDa. The predicted N-terminus is Gln 34. DTT-reduced Protein migrates as 29-32 kDa due to glycosylation.

Endotoxin Less than 1.0 EU per µg of the Biotinylated FcGR2A / CD32a by the LAL method.

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Purity	>95% as determined by reduced SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
Conjugation	Biotin
GENE INFORMATION	
Gene Name	FCGR2A Fc fragment of IgG, low affinity IIa, receptor (CD32) [Homo sapiens]
Official Symbol	FCGR2A
Synonyms	FCGR2A; Fc fragment of IgG, low affinity IIa, receptor (CD32); Fc fragment of IgG, low affinity IIa, receptor for (CD32) , FCG2, FCGR2, FCGR2A1; low affinity immunoglobulin gamma Fc region receptor II-a; CD32; CD32A; CDw32; IGFR2; Immunoglobulin G Fc receptor II; fcRII-a; fc-gamma-RIIa; fc-gamma RII-a; igG Fc receptor II-a; FCG2; FcGR; FCGR2; FCGR2A1; MGC23887; MGC30032;
Gene ID	2212
mRNA Refseq	NM_001136219
Protein Refseq	NP_001129691
MIM	146790
UniProt ID	P12318
Chromosome	1q23

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Location

Pathway

Function

Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; Phagosome, organism-specific biosystem;

IgG binding; receptor activity;

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