

Recombinant Human FCGR2B, His-tagged, Biotinylated

Cat. No. FCGR2B-258H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human FcGR2B /CD32b Protein, Biotinylated (Biotinylated FcGR2B / CD32b) Ala 46 - Pro 217, was labeled with biotin based on rhCD32b Protein, which was produced in human 293 cells (HEK293).?
Species	Human
Source	HEK293
ProteinLength	46-217 a.a.
Description	The protein encoded by this gene is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The encoded protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibility to systemic lupus erythematosus (SLE). Several transcript variants encoding different isoforms have been found for this gene.?
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.
Molecular Mass	Biotinylated FcGR2B / CD32b, fused with 6xHis tag at the C-terminus, has a calculated MW of 20.2 kDa. The predicted N-terminus is Ala 46. DTT-reduced Protein migrates as 23-33 kDa due to different glycosylation.
Endotoxin	Less than 1.0 EU per µg of the Biotinylated FcGR2B / CD32b 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	FCGR2B Fc fragment of IgG, low affinity IIb, receptor (CD32) [Homo sapiens]
Official Symbol	FCGR2B
Synonyms	FCGR2B; Fc fragment of IgG, low affinity IIb, receptor (CD32); Fc fragment of IgG, low affinity IIb, receptor for (CD32) , FCG2, FCGR2; low affinity immunoglobulin gamma Fc region receptor II-b; CD32; CD32B; CDw32; fcRII-b; Fc gamma RIIb; fc-gamma-RIIb; fc-gamma RII-b; igG Fc receptor II-b; Fc fragment of IgG, low affinity II, receptor for (CD32); Fc fragment of IgG, low affinity IIb, receptor for (CD32); FCG2; FCGR2; IGFR2;
Gene ID	2213
mRNA Refseq	NM_001002273
Protein Refseq	NP_001002273
MIM	604590
UniProt ID	P31994

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Chromosome Location	1q23
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem;
Function	IgG binding; protein binding; receptor activity;

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