

Recombinant Human MS4A1, Fc-tagged, Biotinylated

Cat. No. MS4A1-278H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CD20 Protein, With N-Fc Tag (Biotinylated CD20) Ile 141 – Tyr 184, was labeled with biotin based on rhCD20 Protein, which was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
Description	This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.
Molecular Mass	Biotinylated CD20, fused with Fc fragment of human IgG1 at the N-terminus, has a calculated MW of 32.6 kDa. The predicted N-terminus is Ile 141 . DTT-reduced Protein migrates as 42 kDa due to glycosylation.
Endotoxin	Less than 1.0 EU per

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	µg of the Biotinylated CD20 by the LAL method.
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	MS4A1 membrane-spanning 4-domains, subfamily A, member 1 [Homo sapiens]
Official Symbol	MS4A1
Synonyms	MS4A1; membrane-spanning 4-domains, subfamily A, member 1; CD20; B-lymphocyte antigen CD20; B1; Bp35; MS4A2; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; B-lymphocyte cell-surface antigen B1; S7; CVID5; LEU-16; MGC3969;
Gene ID	931
mRNA Refseq	NM_021950
Protein Refseq	NP_068769
MIM	112210
UniProt ID	P11836

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Chromosome Location	11q12-q13.1
Pathway	Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem;
Function	epidermal growth factor receptor binding;

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