

Active Recombinant Human MS4A1 protein, Fc-tagged

Cat. No. MS4A1-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MS4A1 (Ile 141 – Tyr 184) fused with Fc fragment of human IgG1 tag at N-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	Ile 141 – Tyr 184
Form	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Bio-activity	Validated Rituximab binding in the SPR assay (Biacore T100) with the KD of 0.2µM.
Molecular Mass	Has a calculated MW of 32.6 kDa. Protein migrates as 42 kDa in reduced SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per µg of the rhCD20 by the LAL method.
Purity	>95% purity as determined by SDS-PAGE of reduced rhCD20.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade-8 centigrade); After reconstitution under sterile conditions for 1 month (4 centigrade-8 centigrade) or 3 months (-20 centigrade to -70 centigrade).

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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
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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