

Active Recombinant Human MS4A1 Protein, TrxA-tagged

Cat. No. MS4A1-19H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MS4A1 / CD20 Protein, TrxA Tag, Ile 141 - Ser 188 (Accession # NP_068769) was produced in E.coli cells.
Species	Human
Source	E.coli
ProteinLength	141-188 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH7.4, 10% Trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Rituximab at 5 µg/mL (100 µL/well) can bind Human CD20 Protein with linear range of 0.08-2.5 µg/mL when detection with Anti-TrxA mouse mab.
Molecular Mass	This protein carries a trxA at the N-terminus, and has a calculated MW of 22.7 kDa. The reducing protein migrates as 25 kDa in SDS-PAGE.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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,

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conserved biosystem;

Function

epidermal growth factor receptor binding;

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