

Membrane Spanning 4 Domains Subfamily A, Member 1 (CD20) Recombinant Protein | CD20 recombinant protein

Recombinant Membrane Spanning 4 Domains Subfamily A, Member 1 (CD20)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA149280	E.coli	Mus musculus (Mouse)	Western Blot, SDS-Page

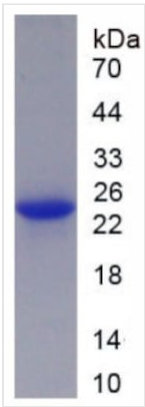
PRODUCT SYNONYMS

Membrane Spanning 4 Domains Subfamily A; Member 1 (CD20); Recombinant Membrane Spanning 4 Domains Subfamily A; MS4A1; MS4-A1; B1; Bp35; LEU16; MS4-A2; S7; B-lymphocyte antigen CD20; B-lymphocyte surface antigen B1; CD20 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.
Concentration	Original Concentration: 100ug/mL (varies by lot)
Applicable Applications for CD20 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Leu133~Pro291
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	4.2
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Sequence

[**SEQUENCE**]
TSKPYVDIYD CEPSNSSEKN SPSTQVCNSI LNMTLSHF LKMRRLLEIQ
VTAGIVENEW KRMCTRSKSN VVLLSAGEKN EQTIKMKKEI IELSGVSSQP
KNEEEIEIIP VQEEEEEEAE INFPAPPQEQ ESLPVEIEIA P

SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for CD20 recombinant protein	CD & Adhesion molecule; Tumor immunity; Infection immunity; Immune molecule
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	6671710
NCBI GeneID	12482
NCBI Accession #	NP_031667.1
NCBI GenBank Nucleotide #	NM_007641.6
UniProt Accession #	P19437
Molecular Weight	Predicted Molecular Mass: 21.7kDa Accurate Molecular Mass: 25kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	B-lymphocyte antigen CD20
NCBI Official Synonym Full Names	membrane-spanning 4-domains, subfamily A, member 1
NCBI Official Symbol	Ms4a1
NCBI Official Synonym Symbols	Cd20; Ly-44; Ms4a2; AA960661
NCBI Protein Information	B-lymphocyte antigen CD20
UniProt Protein Name	B-lymphocyte antigen CD20
UniProt Gene Name	Ms4a1
UniProt Synonym Gene Names	Cd20; Ly-44; Ms4a2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.