

Melanoma Cell Adhesion Molecule (MCAM) Recombinant Protein | MCAM recombinant protein

Recombinant Melanoma Cell Adhesion Molecule (MCAM)

CATALOG # AAA134387	HOST E. coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Melanoma Cell Adhesion Molecule (MCAM); Recombinant Melanoma Cell Adhesion Molecule (MCAM); MCAM recombinant protein

PRODUCT SPECIFICATIONS

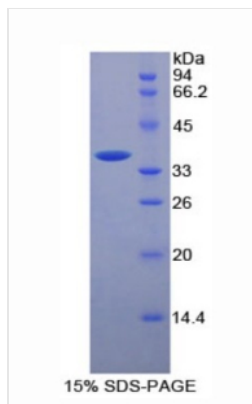
Host	E. coli
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% SKL.
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Sequence	YCELSYRLPS GNHMKESEV TVPVFYPAEK VWVEVEPVGL LKEGDHVTIR CLTDGNPQPH FTINKKDPST GEMEEESTDE NGLLSLEPAE KHHSGLYQCQ SLDLETTITL SSDPLELLVN YVSDVQVNPT APEVQEGESL TLTCEAESNQ DLEFEWLRDK TGQLLGKGPV LQLNNVRREA GGRYLCMASV PRVPLNRTQ LVSVGIFGSP WMALKERKVW VQENAVLNLS CEASGHPQPT I
Sequence Length	648
Applicable Applications for MCAM recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism	Mus musculus (Mouse)
Source	Prokaryotic expression
Residues	Tyr224~Ile464
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	5.1
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 10mM PBS (pH7.4) 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°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



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	160333901
NCBI GeneID	84004
NCBI Accession #	NP_075548.2
NCBI GenBank Nucleotide #	NM_023061.2
UniProt Accession #	Q8R2Y2; Q9EPF1; Q9ESS7; Q9JHQ2; Q9JHQ3
Molecular Weight	Predicted: 28.0kDa Accurate: 35kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	cell surface glycoprotein MUC18
NCBI Official Synonym Full Names	melanoma cell adhesion molecule
NCBI Official Symbol	Mcam
NCBI Official Synonym Symbols	CD146; CD149; Muc18; s-endo; AV025631; 1-gicerin; s-gicerin
NCBI Protein Information	cell surface glycoprotein MUC18; gicerin; l-gicerin protein; melanoma adhesion molecule; melanoma-associated antigen MUC18
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Gene Name	Mcam
UniProt Synonym Gene Names	Muc18
UniProt Entry Name	MUC18_MOUSE

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.