

Active Recombinant Human MCAM protein, Fc-tagged

Cat. No. MCAM-615H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human MCAM protein(Met 1-Gly 559)(NP_006491.2) was expressed in Human Cells with the C-terminal fused Fc region of human IgG1.
Species	Human
Source	Human Cells
ProteinLength	1-559 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 3 x 10E4 cells/well are added to human CD146 coated plates (0.5 µg/ml, 100 µl/well), approximately >30 % will adhere after one hour at 37 °C.
Molecular Mass	The recombinant CD146/Fc chimera comprises 774 amino acids and predicts a molecular mass of 86.4 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 120-130 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 MCAM melanoma cell adhesion molecule [Homo sapiens]

Official Symbol MCAM

Synonyms MCAM; melanoma cell adhesion molecule; cell surface glycoprotein MUC18; CD146; Gicerin; MUC18; melanoma adhesion molecule; cell surface glycoprotein P1H12; melanoma-associated antigen A32; melanoma-associated antigen MUC18; S-endo 1 endothelial-associated antigen;

Gene ID 4162

mRNA Refseq NM_006500

Protein Refseq NP_006491

MIM 155735

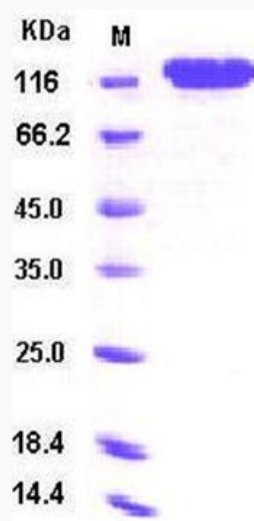
UniProt ID P43121

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SDS-PAGE



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