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Datasheet for ABIN7505192  
**MCAM Protein (AA 25-206) (His tag)**

### Overview

Quantity:	100 µg
Target:	MCAM
Protein Characteristics:	AA 25-206
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MCAM protein is labelled with His tag.

### Product Details

Sequence:	Pro 25-Ser 206
Characteristics:	A DNA sequence encoding the Human CD146/MCAM protein (P43121) (Pro 25-Ser 206) was expressed with N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

### Target Details

Target:	MCAM
Alternative Name:	CD146 ( <a href="#">MCAM Products</a> )
Background:	Abbreviation: CD146,MCAM Target Synonym: CD146,MUC18 Background: The CD146 antigen, also known as melanoma cell adhesion molecule (MCAM) and MUC18, is an integral membrane glycoprotein belonging to the immunoglobulin

## Target Details

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superfamily. CD146 contains the characteristic immunoglobulin-like domains (V-V-C2-C2-C2), a transmembrane region and a short cytoplasmic tail. The CD146 expression is detected in endothelial cells in vascular tissue throughout the body, and plays a role in cell adhesion, as well as in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. As a Ca<sup>2+</sup>-independent cell adhesion molecule involved in heterophilic cell to cell interactions and a surface receptor, CD146 triggers tyrosine phosphorylation of FYN and PTK2 and subsequently induced signal transduction, proteolysis, or immune recognition. This protein is also expressed predominantly on metastatic lesions and advanced primary tumours, and thus has been suggested to play an important role in tumour progression and the development of metastasis in certain human carcinomas.

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Molecular Weight:            Calculated MW: 19.91 kDa  
   Observed MW: 25 kDa

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UniProt:                        [P43121](#)

## Application Details

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Restrictions:                 For Research Use only

## Handling

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Format:                         Lyophilized

Buffer:                         Lyophilized from sterile PBS, pH 7.4.  
   Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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Storage:                        4 °C,-20 °C,-80 °C

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Storage Comment:            Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
   Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date:                 12 months