

# Recombinant Rat CD146/MCAM protein (His Tag)

Catalog Number: PDER100227



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

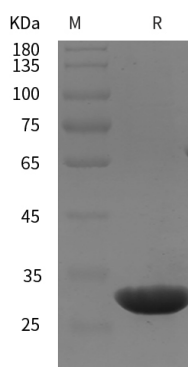
## Description

|                     |   |
|---------------------|---|
| <b>Species</b>      | Rat   |
| <b>Source</b>       | E.coli-derived Rat CD146 protein His 151-Val350, with an N-terminal His |
| <b>Mol_Mass</b>     | 21.9 kDa  |
| <b>Accession</b>    | Q9EPF2  |
| <b>Bio-activity</b> | Not validated for activity  |

## Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95% as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 10 EU/mg of the protein as determined by the LAL method  |
| <b>Storage</b>        | 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. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.  |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.  |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.   |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Melanoma Cell Adhesion Molecule (MCAM), also known as CD146 and MUC18, is a putative Ig-superfamily adhesion molecule that is expressed on endothelial cells and a variety of tumor cells. MCAM is associated with tumor progression and metastasis and may be involved in embryonic neural development. An alternately spliced isoform of rat MCAM has a 40 residue deletion in the cytoplasmic domain.

## For Research Use Only

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