Human CD146/MCAM (His Tag) recombinant protein

Catalog Number: 500554

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of human CD146 precursor (NP_006491.2) (Met 1-Gly 559) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

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 (0.8 μg/ml, 100 μl/well), approximately >50 % will adhere after one hour at 37 ℃.

Purity

> 98 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Val 24

Molecular Mass

The recombinant CD146 comprises 547 amino acids and predicts a molecular mass of 61.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 80-90 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

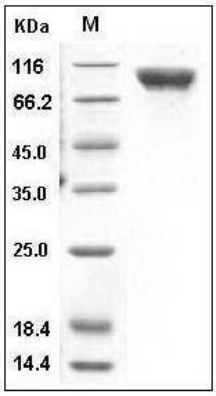
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human CD146 / MCAM Protein (His Tag) SDS-PAGE