

Product datasheet

Recombinant Human CD146 protein ab155626

1 Image

Description

Product name	Recombinant Human CD146 protein
Purity	> 95 % SDS-PAGE. >95% as determined by SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	P43121
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human

Sequence

PGEAEQ PAPELVEVEV GSTALLKCGL
 SQSQGNLSHV DWFSVHKEKR TLIFRVRQGG
 GQSEPGEYEQ RLSLQDRGAT LALTQVTPQD
 ERIFLCQGKR PRSQEYRIQL RVYKAPEEPN
 IQVNPLGIPV NSKEPEEVAT CVGRNGYPIP
 QVIWYKNGRP LKEEKNRVHI QSSQTVESSG
 LYTLQSILKA QLVKEDKDAQ FYCELNYRLP
 SGNHMKESRE VTVPVFYPT KVVLEVEPVG
 MLKEGDRVEI RCLADGNPPP HFSISKQNPS
 TREAEETTN DNGVLVLEPA RKEHSGRYEC
 QGLDLDTMIS LLSEPQELLV NYVSDVRVSP
 AAPERQEGSS LTLTCEAESS QDLEFQWLRE
 ETGQVLERGP VLQLHDLKRE AGGGYRCVAS
 VPSIPGLNRT QLVNVAIFGP PWMAFKERKV
 WVKENMVLNL SCEASGHPRP TISWNVNGTA
 SEQDQDPQRV LSTLNVLVTP ELLETGVECT
 ASNDLGKNTS ILFLELVNLT TLTPDSNTTT
 GLSTSTASPH TRANSTSTER KLPEPESRG

Predicted molecular weight	61 kDa including tags
Amino acids	24 to 559
Tags	His tag C-Terminus

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab155626** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 95% PBS, 5% Trehalose

Reconstitution It is recommended to reconstitute the lyophilized protein in sterile deionized water to a final concentration of 200 µg/mL. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.

General Info

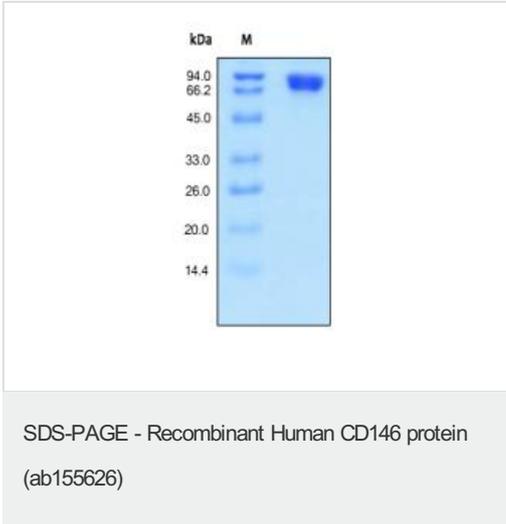
Function Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2, and a transient increase in the intracellular calcium concentration.

Tissue specificity Detected in endothelial cells in vascular tissue throughout the body. May appear at the surface of neural crest cells during their embryonic migration. Appears to be limited to vascular smooth muscle in normal adult tissues. Associated with tumor progression and the development of metastasis in human malignant melanoma. Expressed most strongly on metastatic lesions and advanced primary tumors and is only rarely detected in benign melanocytic nevi and thin primary melanomas with a low probability of metastasis.

Sequence similarities Contains 3 Ig-like C2-type (immunoglobulin-like) domains.
Contains 2 Ig-like V-type (immunoglobulin-like) domains.

Cellular localization Membrane.

Images



Purity of ab155626 determined by SDS-PAGE analysis under reduced conditions and stained overnight with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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