

Product datasheet

Recombinant Human CD276 protein (Tagged)
ab271420

2 Images

Description

Product name	Recombinant Human CD276 protein (Tagged)	
Purity	>= 90 % SDS-PAGE.	
Expression system	HEK 293 cells	
Accession	<u>Q5ZPR3</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	LEVQVPEDPV VALVGTDATL CCSFSPEPGF SLAQLNLWQ LTDTKQLVHS FAEGDQGS YANRTALFPD LLAQGNASLR LQVRV ADEG SFTCFVSIRD FGSAAVSLQV AAPYSKPSMT LEPNKDLRPG DTVTITCSSY QGYPEAEVFW QDGQGVPLTG NVTTSQMANE QGLFDVHSIL RVVLGANGTY SCLVRNPVLQ QDAHSSVTIT PQRSPTGAVE VQVPEDPVVA LVGTDATLRC SFSPEPGFSL AQLNLWQLT DTKQLVHSFT EGRDQGSAYA NRTALFPDLL AQGNASLRLQ RVRVADEGSF TCFVSIRDFG SAAVSLQVAA PYSKPSMTLE PNKDLRPGDT VTITCSSYRG YPEAEVFWQD GQGVPLTGNV TTSQMANEQG LFDVHSVLRV VLGANGTYSC LVRNPVLQQD AHGSVTITGQ PMTFPPEA	
Predicted molecular weight	50 kDa including tags	
Amino acids	29 to 466	
Tags	Avi tag C-Terminus	
Additional sequence information	Genbank: NM_001024736	

Specifications

Our **Abpromise guarantee** covers the use of **ab271420** 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
	Size Exclusion Chromatography
Form	Liquid

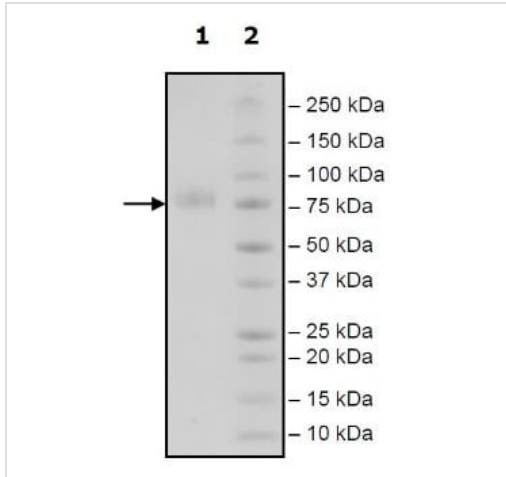
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.
	pH: 7.40
	Constituents: 0.13% Sodium phosphate, 2.32% Sodium chloride, 0.02% Potassium chloride,
	20% Glycerol (glycerin, glycerine)

General Info

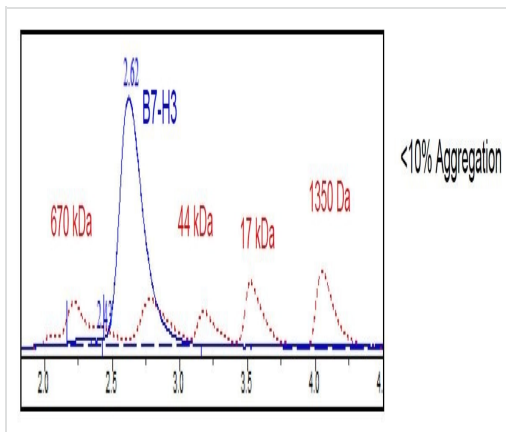
Function	May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling.
Tissue specificity	Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes. Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.
Sequence similarities	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 Ig-like V-type (immunoglobulin-like) domains.
Cellular localization	Membrane.

Images



SDS-PAGE analysis of ab271420.

SDS-PAGE - Recombinant Human CD276 protein
(Tagged) (ab271420)



SEC analysis of ab271420.

B7-H9 = CD276.

Size Exclusion Chromatography - Recombinant
Human CD276 protein (Tagged) (ab271420)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors