

Recombinant Human CD96 protein (His tag) ab222978

1 Image

Description	
Product name	Recombinant Human CD96 protein (His tag)
Purity	> 90 % SDS-PAGE. Affinity purified
Endotoxin level	< 1.000 Eu/µg
Expression system	Baculovirus infected insect cells
Accession	<u>P40200-2</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	VWEKTVNTEE NVYATLGSDV NLTCQTQTVG FFVQMQWSKV TNKIDLIAVY HPQYGFYCA GRPCESLVTF TETPENGSKW TLHLRNMSCS VSGRYECMLV LYPEGIQTKI YNLLIQTHVT ADEWNSNHTI EIEINQTL EIPCFQNSSSKI SSEFTYAWSV EDNGTQETLI SQNHLISNST LLKDRVKLGT DYRLHLSPVQ IFDDGRKFSC HIRVGPNKIL RSSTTVKVFA KPEIPVIVEN NSTDVLVERR FTCLLKNVFP KANITWFIDG SFLHDEKEGI YITNEERK GK DGFL ELKSVL TRVHSNKPAQ SDNLTWCMA LSPVPGNKVW NISSEKITFL LGSEISSTDP PLSVTESTLD TQPSPASSVS PARYPATSSV TLVDVSALRP NTPQPSNSS MTTRGFNYPW TSSGDTTKS VSRI PSETYS SSPSGAGSTL HDNVFTSTAR AFSEVPTTAN GSTKTNHVHI TGIVVNKPKD GMLEHHHHHH
Predicted molecular weight	55 kDa including tags
Amino acids	22 to 503
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab222978** 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 Liquid

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: 10% Glycerol (glycerin, glycerine), PBS

General Info

Function May be involved in adhesive interactions of activated T and NK cells during the late phase of the immune response. Promotes NK cell-target adhesion by interacting with PVR present on target cells. May function at a time after T and NK cells have penetrated the endothelium using integrins and selectins, when they are actively engaging diseased cells and moving within areas of inflammation.

Tissue specificity Expressed on normal T-cell lines and clones, and some transformed T-cells, but no other cultured cell lines tested. It is expressed at very low levels on activated B-cells.

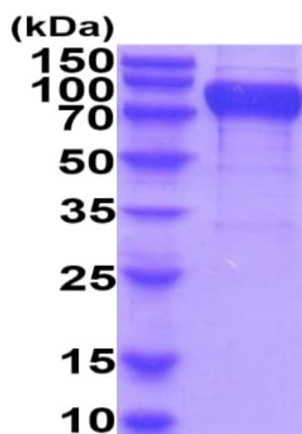
Involvement in disease Defects in CD96 are a cause of C syndrome (CSYN) [MIM:211750]; also called Opitz trigonocephaly syndrome. This syndrome is characterized by trigonocephaly and associated anomalies, such as unusual facies, wide alveolar ridges, multiple buccal frenula, limb defects, visceral anomalies, redundant skin, psychomotor retardation and hypotonia. Note=A chromosomal aberration involving CD96 has been found in a patient with C syndrome. Translocation t(3;18)(q13.13;q12.1). CD96 gene was located at the 3q13.13 breakpoint. Precise structural analysis around the breakpoint showed that the gene was disrupted by the translocation in exon 5, probably leading to premature termination or loss of expression of CD96 protein. No gene was detected at the chromosome 18 breakpoint. Defects in CD96 are a cause of C-like syndrome (CLSYN) [MIM:605039]; also called Opitz trigonocephaly-like syndrome. The C-like syndrome seems to be a severe form of the C syndrome. It is controversial whether there is (1) a gradient of spectrum in the C syndrome, from the mild form (C syndrome) to the severe form (C-like syndrome), or (2) genetic heterogeneity among the patients with the C syndrome.

Sequence similarities Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Contains 2 Ig-like V-type (immunoglobulin-like) domains.

Developmental stage Expressed at low levels on peripheral T-cells and is strongly up-regulated after activation, peaking 6 to 9 days after the activating stimulus.

Cellular localization Membrane.

Images



15% SDS-PAGE - Recombinant Human CD96 protein (His tag)
(3 µg ab222978).

SDS-PAGE - Recombinant Human CD96 protein
(His tag) (ab222978)

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

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