

Recombinant Human CD96 Protein, T7-His-TEV-tagged

Cat. No. CD96-25H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length extracellular domain of human CD96 cDNA (22 – 519aa) was constructed with codon optimization gene synthesis and expressed with a human N-terminal T7-His-TEV cleavage site Tag (29aa) fusion. This protein was expressed in E. coli as inclusion bodies. The final product was refolded and chromatographically purified.
Species	Human
Source	E.coli
Description	The protein encoded by human T-cell surface protein tactile (CD96) gene is a receptor, which may be involved in adhesive interactions of activated T and NK cells during the late phase of the immune response. It promotes NK cell-target adhesion by interacting with PVR present on target cells. CD96 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.
Form	Liquid
AA Sequence	MASMTGGGQQMGRGHHHHHHENLYFQGGEFVWEKTVNTEENVYATLGSDVNLTCQ TQTVGFFVQMOWSKVTNKIDLIQVYHPQYGFYCAVGRPCESLVTFTETPENGSKWT LHLRNMSCSVSGRYECMLVLYPEGIQTKIYNLLIQTHVTADEWNSNHTIEIEINQTL PCFQNSSSKISSEFTYAWSVENSSTDVSVLLSKGIKEDNGTQETLISQNHLSNSTLL KDRVKLGTDYRLHLSPVQIFDDGRKFSCHIRVGPKNILRSSTTVKVFAPKEIPVIVENN STDVLVERRFTCLLKNVFPKANITWFDGSFLHDEKEGIYITNEERKKGKDGFLKLSVL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TRVHSNKPAQSDNLTIWCMALSPVPGNKVWNISSEKITFLLGSEISSTDPPLSVTEST
LDTQPSPASSVSPARYPATSSVTLVDVSALRPNTTPQPSNSSMTTRGFNYPWTSSG
TDTKKSVSRIPISEYSSSPSGAGSTLHDNVFTSTARAFSEVPTTANGSTKTNHVHIT
GIVVNKPKDGM

Purity > 90% by SDS-PAGE.

Storage Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

Concentration 0.2 mg/mL

Storage Buffer Sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.

GENE INFORMATION

Gene Name CD96

Official Symbol CD96 CD96 molecule [Homo sapiens (human)]

Synonyms CD96; CD96 molecule; TACTILE; T-cell surface protein tactile; T cell activation, increased late expression; cell surface antigen CD96; t cell-activated increased late expression protein

Gene ID 10225

mRNA Refseq NM_005816

Protein Refseq NP_005807

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MIM	606037
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UniProt ID	P40200
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