

## 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**  
 MASMTGGQQMGRGHHHHHHENLYFQGGFVWEKTVNTEENVYATLGSDVNLTCQ  
 TQTVGFFVQMWSKVTNKIDLI VYHPQYGFYCA YGRPCESLVTFTETPENGSKWT  
 LHLRNMSCSVSGRYECMLVLYPEGIQTKIYNLLIQTHVTADEWNSNHTIEIEINQTL  
 PCFQNSSSKISSEFTYAWSVENSSTDSWVLLSKGIKEDNGTQETLISQNHLSNSTLL  
 KDRVKLGTDYRLHLSPVQIFDDGRKF SCHIRVGPKNILRSSTTVKVFAPKPEIPVIVENN  
 STDV LVERRFTCLLKNVFPKANITW FIDGSFLHDEKEGIYITNEERKKGKDGFL ELKSVL

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TRVHSNKPAQSDNLTIWCMALSPVPGNKVWNISSEKITFLLGSEISSTDPPLSVTEST  
 LDTQPSPASSVSPARYPATSSVTLVDVSALRPNTTPQPSNSSMTRGFNYPWTSSG  
 TDTKKSVSRISETYSSSPSGAGSTLHDNVFTSTARAFSEVPTTANGSTKTNHVHIT  
 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

**UniProt ID** P40200

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