

## Recombinant Human CD46, His-tagged

**Cat. No.** CD46-7592H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD46 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	35-313aa
<b>Antigen Description</b>	Membrane cofactor protein isoform 14, also known as CD46, is a type I membrane protein that has cofactor activity for inactivation of complement components C3b and C4b by serum factor I. This function resides in the complement control protein repeats (CCPs), with CCP1–4 essential for regulation. CD46 is widely distributed on thymocytes, T cells, B cells, monocytes, granulocytes, NK cells, platelets, endothelial cells, epithelial cells, fibroblasts, placenta and sperm, but not on erythrocyte.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol
<b>Molecular Mass</b>	33.8 kDa (302aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSCEPPTF EAMELIGKPK PYYEIGERVD YKCKKGYFYI PPLATHICD RNHTWLPVSD DACYRETCPY IRDPLNGQAV PANGTYEFGY QMHFICNEGY YLIGEEILYC ELKGSVAIWS GKPPICEKVL CTPPPKIKNG KHTFSEVEVF EYLDAVTYSC DPAPGPDPFS LIGESTIYCG DNSVWSRAAP ECKVVKCRFP VVENGKQISG FGKKFYKAT VMFECDKGFY

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LDGSDTIVCD SNSTWDPPVP KCLKGPRPTY KPPVSNYPGY PKPEEGILDS LD

**Purity** >85% as determined by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml

## GENE INFORMATION

**Gene Name** [CD46 CD46 molecule, complement regulatory protein \[ Homo sapiens \]](#)

**Official Symbol** CD46

### Synonyms

CD46; CD46 molecule, complement regulatory protein; antigen identified by monoclonal TRA 2 10 , CD46 antigen, complement regulatory protein , MCP, membrane cofactor protein (CD46, trophoblast lymphocyte cross reactive antigen) , MIC10; membrane cofactor protein; MGC26544; TLX; TRA2.10; measles virus receptor; complement membrane cofactor protein; trophoblast leucocyte common antigen; trophoblast leukocyte common antigen; CD46 antigen, complement regulatory protein; trophoblast-lymphocyte cross-reactive antigen; antigen identified by monoclonal TRA-2-10; membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen); MCP; AHUS2; MIC10;

**Gene ID** [4179](#)

**mRNA Refseq** [NM\\_002389](#)

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<b>Protein Refseq</b>	NP_002380
<b>MIM</b>	120920
<b>UniProt ID</b>	P15529
<b>Chromosome Location</b>	1q32
<b>Pathway</b>	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Measles, organism-specific biosystem;
<b>Function</b>	receptor activity;

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