

Recombinant Human CD46 Protein, His-tagged

Cat. No. CD46-162H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD46 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	392
Description	The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.
Form	Lyophilized
Molecular Mass	33.6 kDa
AA Sequence	MEPPGRRECPFPSWRFPGLLLAAMVLLLYSFSDACEEPPTFEAMELIGKPKPYEIG ERVDYKCKKGYFYIPPLATHITCDRNHTWLPVSDDACYRETCPYIRDPLNGQAVPAN

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GTYEFQYQMHFICNEGYYLIGEEILYCELKGSVAIWSGKPPICEKVLCTPPPKIKNGK
 HTFSEVEVFEYLDVAVTYSCTDPAPGDPFSLIGESTIYCGDNSVWSRAAPECKVVKCR
 FPVVENGKQISGFGKKFYKATVMFECDKGFYLDGSDTIVCDSNSTWDPPVPKCLK
 VLPPSSTKPPALSHSVSTSTTKSPASSASGPRPTYKPPVSNYPGYPKPEEGILDSL
 DVWVIAVIVIAIVVGVAVICVVPYRYLQRRKKKGTYLTDETHREVKFTSL

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CD46 CD46 molecule, complement regulatory protein [Homo sapiens (human)]
Official Symbol	CD46

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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](#)

Protein Refseq

[NP_002380](#)

MIM

[120920](#)

UniProt ID

[P15529](#)

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