



# Recombinant Human Membrane cofactor protein (CD46)?partial

<b>Product Code</b>	CSB-EP004939HU1-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P15529
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	CEEPPT FEAMELIGKP KPYYEIGERV DYKCKKGYFY IPPLATH TIC DRNHTWLPVS DDACYRETCP YIRDPLNGQA VPANGTYEFG YQMHFICNEG YYLIGEEILY CELKGSVAIW SGKPPICEKV LCTPPPKIKN GKHTFSEVEV FEYLDVAVTYS CDPAPGPDF SLIGESTIYC GDNSVWSRAA PECKVVKCRF PVVENGKQIS GFGKKFYKA TVMFECDKGF YLDGSDTIVC DSNSTWDPPV PKCLKVLPPS STKPPALSHS VSTSSTTKSP ASSASGPRPT YKPPVSNYPG YKPEEGILD SLD
<b>Source</b>	E.coli
<b>Target Names</b>	CD46
<b>Protein Names</b>	Recommended name: Membrane cofactor protein Alternative name(s): TLX Trophoblast leukocyte common antigen CD_antigen= CD46
<b>Expression Region</b>	35-343
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Extracellular domain
<b>Target Details</b>	This protein 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, This protein may be involved in the fusion of the spermatozoa with the oocyte during fertilization. This gene is found in a cluster on chromosome 1q32 with other genes encoding structural components of the complement system. At least fourteen different transcript variants encoding fourteen different isoforms have been found for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.