

## Product datasheet for AR50860PU-N

## OriGene Technologies, Inc.

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## CD46 / MCP (35-313, His-tag) Human Protein

## **Product data:**

**Product Type:** Recombinant Proteins

**Description:** CD46 / MCP (35-313, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSCEEPPTF EAMELIGKPK PYYEIGERVD YKCKKGYFYI

PPLATHTICD RNHTWLPVSD DACYRETCPY IRDPLNGQAV PANGTYEFGY QMHFICNEGY

YLIGEEILYC ELKGSVAIWS GKPPICEKVL CTPPPKIKNG KHTFSEVEVF EYLDAVTYSC DPAPGPDPFS

LIGESTIYCG DNSVWSRAAP ECKVVKCRFP VVENGKQISG FGKKFYYKAT VMFECDKGFY

LDGSDTIVCD SNSTWDPPVP KCLKGPRPTY KPPVSNYPGY PKPEEGILDS LD

Tag: His-tag
Predicted MW: 33.8 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human CD46 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 002380

 Locus ID:
 4179

 UniProt ID:
 P15529

 Cytogenetics:
 1q32.2

**Synonyms:** AHUS2; MCP; MIC10; TLX; TRA2.10



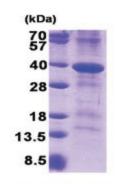


**Summary:** 

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. [provided by RefSeq, Jun 2010]

Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Complement and coagulation cascades

**Product images:** 



15% SDS-PAGE (3ug)