

Product datasheet for **AR50860PU-N**

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 MGSCEPPTF EAMELIGKPK PYEIGERVD YKCKKGYFYI PPLATHTICD RNHTWLPVSD DACYRETCPY IRDPLNGQAV PANGTYEFGY QMHFICNEGY YLIGEEILYC ELKGSVAIWS GKPPICEKVL CTPPPKIKNG KHTFSEVEVF EYLDAVTYSC DPAPGDPFSLIGESTIYCG DNSVWSRAAP ECKVVKCRFP WVENGKQISG FGKKFYKAT 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 |



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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: