



# Recombinant Guinea pig CD46 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06385

**Protein Name:** Cd46 Molecule (CD46)

**Aliases:** MCP; TLX; AHUS2; MIC10; TRA2.10; CD46 molecule; measles virus receptor; membrane cofactor protein; complement membrane cofactor protein; trophoblast leucocyte common antigen; trophoblast leukocyte com...

**UniProt ID:** P15529

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P15529/entry>

**Species Source:** Cavia porcellus (Guinea pig)

**Expression System:** E.coli

**Protein Length:** Extracellular Domain (36-316aa)

**Molecular Weight:** 35.4 kDa

**Protein Tag:** N-terminal 6xHis-tagged

## 2. Amino Acid Sequence (36-316aa)

CVLPPPFAMEPINPKPYEIGEKEVEYRCKKGYLRQPFYLMVATCEKNHSWVPITD  
DGCIIKKQCTYLNPPPKGRVEYINGTRTWGDIVHFSCVEGFYVSGIAALSCELRGDN  
VDWNGRVPTCEKVLCSPPPKIQNGKYTFSDVQVFEYFEAVTYSCDAVQGPDKLSL  
VGNEVLYCAGHQKWSSAAPECKVVKCPLPVVKNKGKQISGLGQTFFYQATVTFQCL  
PGFYFNGSSTVVCGSDNTWKPSIPECLKGPKPTHPTKPPVYNYPGYPNPREGIFDQ  
ELN

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the

## 5. Product Description

This product is a recombinant Guinea pig CD46 extracellular domain protein (36-316aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CD46, also known as MCP or TLX or AHUS2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.