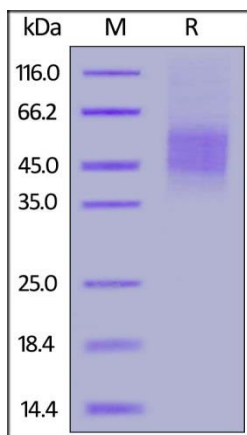


# Human CellExp™ CD46, Human Recombinant

<b>CATALOG NO:</b>	P1495-10 10 µg
<b>ALTERNATE NAMES:</b>	CD46, AHUS2, MCP, MIC10, TLX, TRA2.10
<b>MOL. WT.</b>	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 33.6 kDa. The protein migrates as 45-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>SOURCE:</b>	HEK 293 cells
<b>PURITY:</b>	>90% SDS-PAGE
<b>ENDOTOXIN:</b>	Less than 1.0 EU per µg by the LAL method.
<b>FORM:</b>	Lyophilized
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>RECONSTITUTION:</b>	Reconstitute in sterile deionized water to the desired protein concentration.
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles
<b>DESCRIPTION:</b>	Complement regulatory protein CD46 is also known as membrane Cofactor Protein (MCP), is a type I membrane protein and is a regulatory part of the complement system. CD46 is expressed by all cells except erythrocytes. MCP acts as a cofactor for complement factor I, a serine protease which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue, and also acts as a costimulatory factor for T-cells which induces the differentiation of CD4+ into T-regulatory 1 cells. In T-cells by binding to CD46, A number of viral and bacterial pathogens seem to exploit this property and directly induce an immunosuppressive phenotype. Defects in CD46 are a cause of susceptibility to hemolytic uremic syndrome atypical type 2 (AHUS2).
<b>AMINO ACID SEQUENCE:</b>	AA Cys 35 - Asp 328



Human CD46, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

## RELATED PRODUCTS:

- CD46, human recombinant (7314)
- CD300C, human recombinant (7312)
- CD200, human recombinant (7309)
- CD274, mouse recombinant (7311)

**FOR RESEARCH USE ONLY! Not to be used on humans.**