

# Recombinant Human CD46 Protein (His Tag)

Catalog Number:PKSH030868



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

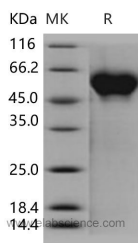
## Description

<b>Synonyms</b>	Membrane Cofactor Protein; TLX; Trophoblast Leukocyte Common Antigen; CD46; MCP; MIC10;AHUS2;TLX;TRA2.10
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met 1-Asp 328
<b>Accession</b>	EAW93471.1
<b>Calculated Molecular Weight</b>	34 kDa
<b>Observed molecular weight</b>	55-60 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg as determined by the LAL method.
<b>Storage</b>	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



## Background

CD46, also known as Membrane Cofactor Protein (MCP), is a complement regulatory protein. CD46 is a type 1 membrane protein that plays an important inhibitory role in the complement system. CD46 is expressed in white blood cells, platelets, epithelial cells, and fibroblasts. Human CD46 shares 50% amino acid sequence identity with mouse and rat CD46. The importance of CD46 to complement regulation is underscored by the observation that genetic loss of CD46 leads to development of atypical hemolytic-uremic syndrome (aHUS), a disease characterized by uncontrolled complement activation. CD46 is implicated in the development and/or progression of selected cancer types.

## For Research Use Only

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