Recombinant Human CD46 Protein (His Tag)

Catalog No. PKSH030868

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

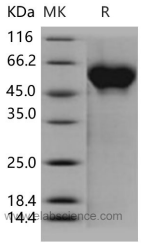
Description

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

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Storage	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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	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.