Recombinant Human CD46 Protein

Catalog No.: RP00279

Sequence Information

Species
Human

Gene ID
4179

Swiss Prot
P15529-11

Tags
C-His

Synonyms
AHUS2,MCP,MIC10,TLX,TRA2.10, CD46

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
33.62 kDa

Observed MW
55-60 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The recombinant human CD46 consists of 305 amino acids with a molecular weight of 34 kDa. The apparent molecular mass of recombinant human CD46 is about 55-60 kDa in SDS-PAGE under reducing conditions due to glycosylation.CD46 is also known as MCP and is a type I membrane protein that functions as a cofactor for Complement Factor I-mediated inactivation of complement components C3b and C4b. CD46 is expressed in white blood cells, platelets, epithelial cells, and fibroblasts. 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), a disease characterized by uncontrolled complement activation.

Basic Information

Description
Recombinant Human CD46 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Cys35-Asp328) of human CD46 (Accession #NP_758861.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

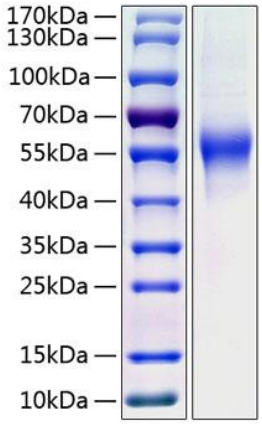
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human CD46 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.