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Datasheet for ABIN7534453  
**CD46 Protein (CD46) (His tag)**

### Overview

Quantity:	100 µg
Target:	CD46
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD46 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human CD46 Protein
Sequence:	CEEPPTFEAM ELIGKPKPYY EIGERVDYKC KKG YFYIPPL ATHTICDRNH TWLPVSDDAC YRETCPIYIRD PLNGQAVPAN GTYEFQYQMH FICNEGYLYI GEEILYCELK GSVAIWSGKP PICEKVLCTP PPKIKNGKHT FSEVEVFEYL DAVTYSDDPA PGPDPFSLIG ESTIYCGDNS VWSRAAPECK VVKCRFPVVE NGKQISGFGK KFYYKATVMF ECDKGFYLDG SDTIVCDSNS TWDPPVPKCL KVSTSSSTTKS PASSASGPRP TYKPPVSNYP GYPKPEEGIL DSLD
Specificity:	Cys35-Asp328
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

### Target Details

Target:	CD46
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## Target Details

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Alternative Name: [CD46 \(CD46 Products\)](#)

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Background: Description: 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.

Name: AHUS2,MCP,MIC10,TLX,TRA2.10,CD46

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Gene ID: 4179

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UniProt: [P15529-11](#)

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Pathways: [Regulation of Actin Filament Polymerization](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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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 stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Concentration: 1 mg/mL

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Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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Storage: -20 °C, -80 °C

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Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

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