

Datasheet for ABIN6964079

CD46 Protein (CD46) (AA 35-328) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	CD46
Protein Characteristics:	AA 35-328
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 with C-terminal 6xHis tag
Specificity:	CD46 (Cys35-Asp328) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD46
Alternative Name:	CD46 (CD46 Products)
Background:	The protein encoded by this gene is a type I membrane protein and is a regulatory part of the

Target Details

complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.

Molecular Weight: predicted molecular mass of 33.5 kDa after removal of the signal peptide. The apparent molecular mass of CD46-His is 55-70 kDa due to glycosylation.

Gene ID: 4179

UniProt: [P15529](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization.

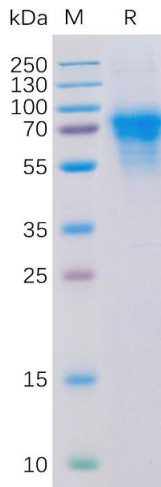
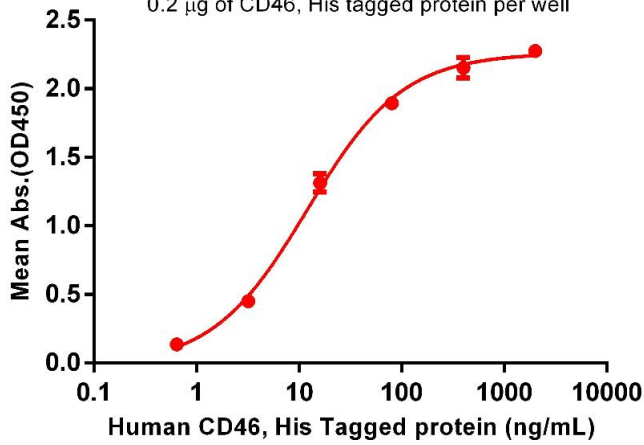
Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

Human CD46, His Tagged protein ELISA

0.2 µg of CD46, His tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD46 Protein, His Tag (ABIN6964079, ABIN7042413 and ABIN7042414) can bind Anti-CD46 antibody(DM145), Rabbit mAb in a linear range of 0.64-16 ng/mL.

SDS-PAGE

Image 2. Human CD46 Protein, His Tag on SDS-PAGE under reducing condition.