

[Go to Product page](#)

## Datasheet for ABIN7519901 CD55 Protein (His tag)

### Overview

Quantity:	10 µg
Target:	CD55
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD55 protein is labelled with His tag.

### Product Details

Purpose:	Active Recombinant Human DAF/CD55 Protein
Sequence:	DCGLPPDVPN AQPALGRTS FPEDTVITYK CEESFVKIPG EKDSVICLKG SQWSDIEEFC NRSCEVPTRL NSASLKQPYI TQNYFPVGT V EYECRPGYR REPSLSPKLT CLQNLKWSTA VEFCKKKSCP NPGEIRNGQI DVPGGILFGA TISFSCNTGY KLFGSTSSFC LISGSSVQWS DPLPECREIY CPAPPQIDNG IIQGERDHYG YRQSVTYACN KGFTMIGEHS IYCTVNNDEG EWSGPPPECR GKSLTSKVPP TVQKPTTVNV PTTEVSPTSQ KTTTKTTTPN AQATRSTPVS RTTKHFHETT PNKGSGTTS
Specificity:	Asp35-Ser353
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA. Immobilized Human DAF/CD55 at 0.5 µg

## Product Details

g/mL (100 µL/well) can bind Human CD97 with a linear range of 0.3-23.8 ng/mL.[2]. Measured by its binding ability in a functional ELISA. Immobilized APC anti-human CD55 Antibody at 1 µg/mL (25 µL/well) can bind Recombinant Human CD55 with a linear range of 0.5-3.2 ng/mL.

## Target Details

Target:	CD55
Alternative Name:	DAF/CD55 ( <a href="#">CD55 Products</a> )
Background:	<p>Description: This protein is a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM).</p> <p>Name: CD55,CR,CROM,DAF,TC, CROM, DAF, TC</p>
Gene ID:	1604
UniProt:	<a href="#">P08174</a>
Pathways:	<a href="#">Complement System</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>