

# Recombinant Human CD55/DAF Protein (His Tag)

Catalog Number:PKSH032222



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

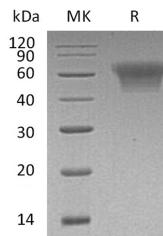
## Description

<b>Synonyms</b>	Complement Decay-Accelerating factor;CD55;CR;CROM;DAF;TC
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Asp35-Ser353
<b>Accession</b>	P08174
<b>Calculated Molecular Weight</b>	36.0 kDa
<b>Observed molecular weight</b>	50-75 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Reconstitution</b>	Please refer to the specific buffer information in the printed man
	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

CD55 is a member of the RCA (regulators of complement activation) family. RCA proteins are characterized by the presence of four to 30 SCRs (short consensus repeats also called CCPs for control protein modules) in their plasmaexposed regions. CD55 containing four SCR modules is involved in the regulation of the complement cascade. CD55 is known to bind CD97 via the first SCR. It also binds physiologically generated C3 convertases with its second and third SCRs. Binding results in an accelerated "decay", or dissociation of active C3 convertases, thus blocking the development of C' attack complexes on nonforeign cells. It is known that viruses and bacteria also utilize multiple SCR sites for infection.

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Fax: 1-832-243-6017