A Reliable Research Partner in Life Science and Medicine

Recombinant Human CD55/DAF Protein (His Tag)

Catalog Number: PKSH032222

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

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Species Human

Source HEK293 Cells-derived Human CD55; DAF protein Asp35-Ser353, with an C-terminal

His

Calculated MW 36.0 kDa
Observed MW 50-75 kDa
Accession P08174

Bio-activity Not validated for activity

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage 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.

ShippingThis product is provided as lyophilized powder which is shipped with ice packs. **Formulation**Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

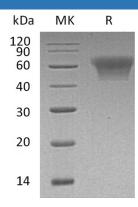
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution 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 is 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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