

Recombinant Rat DAF/CD55 Protein

Catalog No.: RP01675

Sequence Information

Species	Gene ID
Rat	64036
Swiss Prot	Tags
Q9Z0M0	C-hFc

Synonyms

Daf; Daf1; CD55

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW Observed MW

63.47 kDa 75–100 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

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

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.

Background

CD55, also well known as decay-accelerating factor (DAF), is a member of the RCA (regulators of complement activation) family characterized by four to 30 SCRs (short consensus repeats) in their plasma-exposed regions. It is a major regulator of the alternative and classical pathways of complement activation and is expressed on all serum-exposed cells. CD55 is physiologically acting as an inhibitor of the complement system, but is also broadly expressed in malignant tumours.

Basic Information

Description

Recombinant Rat DAF/CD55 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly34-Ser371) of rat CD55 (Accession #NP_071605.2) fused with and a hFc tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.

Liquid proteins are shipped at frozen temperature with dry ice.

Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

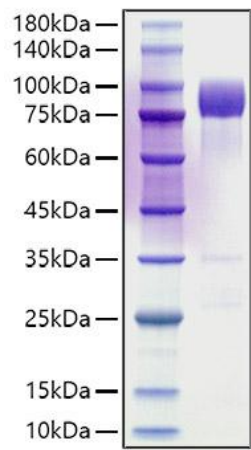
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Validation Data



Recombinant Rat DAF/CD55 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.