

Recombinant Rat CD55 Protein

Catalog No.: RP01675 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Rat	64036	Q9Z0M0

Tags

C-hFc

Synonyms

Daf; Daf1□CD55

Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Endotoxin

<1EU/μg

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.

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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

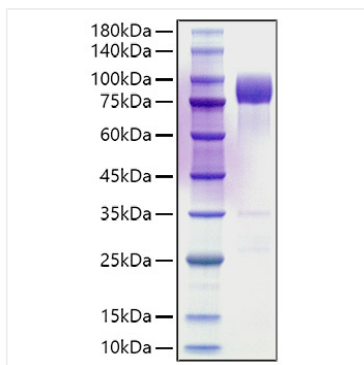
Recombinant Rat CD55 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly34-Ser371) of rat CD55 (Accession #NP_071605.2) fused with and a hFc tag at the C-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Rat CD55 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 91 and 54 kDa.