Recombinant Rat DAF/CD55 Protein

Catalog No.: RP01675   Recombinant

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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.

Calculated MW	Observed MW
63.47 kDa	75-100 kDa

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 stablizer (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.
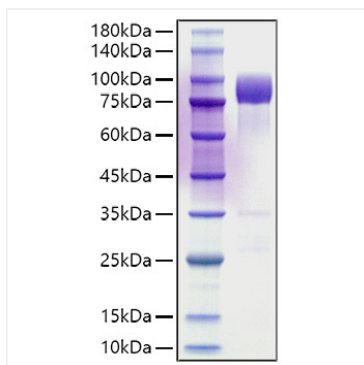
Bio-Activity

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

Contact

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Validation Data

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