

Catalog No.: RP03294 **Recombinant**

Species	Gene ID	Swiss Prot
Human	730	P10643

C-hFc

Complement component C7;
Complement C7; C7

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

Calculated MW	Observed MW
118 kDa	110-120 kDa

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

Lyophilized from a 0.22 µm filtered solution of PBS, 5% Trehalose, 8% Glycerol, pH 7.4. Contact us for customized product form or formulation.

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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Complement component 7 is a protein involved in the complement system of the innate immune system. C7 is part of the membrane attack complex (MAC) which creates a hole on pathogen surfaces, leading to cell lysis and death. Its primary task is to bind the C5bC6 complex together. This junction alters the configuration of the protein molecules, exposing a hydrophobic site on C7 that allows the C7 to insert into the phospholipid bilayer of the pathogen.

Recombinant Human Complement C7 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Gln843) of human Complement C7 (Accession #P10643) fused with hFc tag at the C-terminus.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

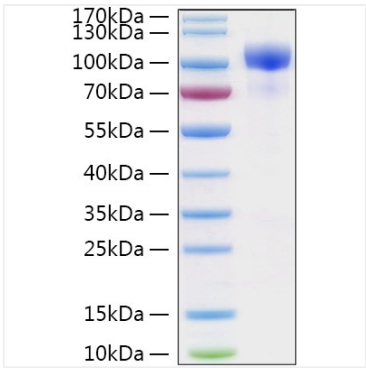
Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

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.

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

Validation Data



Recombinant Human Complement C7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.