# Recombinant Human Complement C7 Protein

**Catalog No.: RP03294**



## Sequence Information

| Species | Gene ID |
|---|---|
| Human | 730 |
| **Swiss Prot** | **Tags** |
| P10643 | C-hFc |

**Synonyms**

Complement component C7; Complement C7; C7

## Product Information

| Source | Purification |
|---|---|
| HEK293 cells | ≥ 90 % as determined by SDS-PAGE. |
| **Calculated MW** | **Observed MW** |
| 118 kDa | 110-120 kDa |

**Endotoxin**

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

**Formulation**

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.

**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

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.

## Basic Information

**Description**

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.

**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℃

**Operational Notes**

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

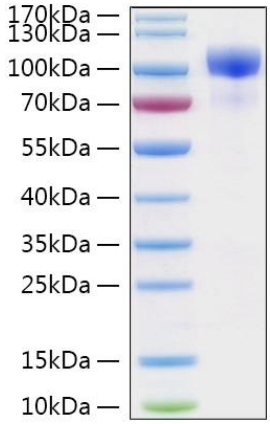
**Contact**

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## Validation Data




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