Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant Human Complement C7 Protein

Catalog No.: RP03294 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	730	P10643

Tags
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.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

* □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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.

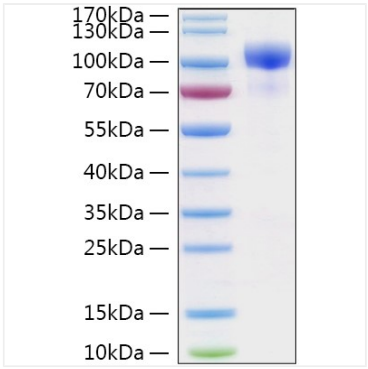
Basic Information

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.

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.

Validation Data



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