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Recombinant Human C1QC Protein

Catalog No.: RP01865 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	714	P02747

Tags
N-6His□N-hFc

Synonyms
C1QG; C1Q-C; C1QD3;Complement C1q subcomponent subunit C

Product Information

Source	Purification
HEK293 cells	≥ 95% as determined by SDS-PAGE.

Calculated MW	Observed MW
49.60 kDa	45-50 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

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.

Contact

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Background

C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca2+-dependent C1r2C1s2 proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.

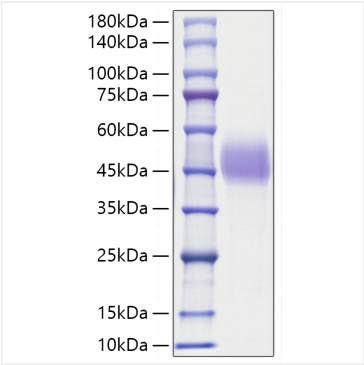
Basic Information

Description
Recombinant HumanC1QC Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn29-Asp245) of human ENPP-1 (Accession #P02747) fused with 6×His and hFc tag at the N-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 C1QC Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.