



# Recombinant Human Complement C1q subcomponent subunit C (C1QC)

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| <b>Product Code</b>      | CSB-EP003641HU-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P02747   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | NT GCYGIPGMPG LPGAPGKDG Y DGLPGPKGEP GIPAIPGIRG<br>PKGQKGEPGL PGHPGKNGPM GPPGMPGVPG PMGIPGEPGE<br>EGRYKQKFQS VFTVTRQTHQ PPAPNSLIRF NAVLTNPQGD YDTSTGKFTC<br>KVPGLYYFVY HASHTANLCV LLYRSGVKVV TFCGHTSKTN QVNSGGVLLR<br>LQVGEEVWLA VNDYYDMVGI QGSDSVFSGF LLFPD   |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | C1QC   |
| <b>Protein Names</b>     | Recommended name: Complement C1q subcomponent subunit C  |
| <b>Expression Region</b> | 29-245   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. A deficiency in C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N-terminus, and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the C-chain polypeptide of human complement subcomponent C1q. Alternatively spliced transcript variants that encode the same protein have been found for this gene. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life   |



of lyophilized form is 12 months at -20°C/-80°C.