

## Recombinant Human C1QC, MYC/DDK-tagged

**Cat. No.** C1QC-8142H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Human C1QC, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | <p>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.</p> |
| <b>Molecular Mass</b>   | 22.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | C1QC complement component 1, q subcomponent, C chain [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>     | C1QC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | C1QC; complement component 1, q subcomponent, C chain; C1QG, complement component 1, q subcomponent, gamma polypeptide; complement C1q subcomponent subunit C; AI385742; C1Q C; C1qc; C1QC_HUMAN; C1QG; Complement C1q subcomponent subunit C; Complement component 1, q subcomponent, C chain; complement component 1, q subcomponent, gamma polypeptide; OTTHUMP00000002932; OTTHUMP00000002933; OTTHUMP000000037922; complement component 1, q subcomponent, gamma polypeptide; C1QG; C1Q-C |
| <b>Gene ID</b>             | 714                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_172369                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>      | NP_758957                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>                 | 120575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>          | P02747                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 1p36.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Chagas disease (American trypanosomiasis); Complement Activation, Classical Pathway; Creation of C4 and C2 activators                                                                                                                                                                                                                                                                                                                                                                          |

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