



# Recombinant Rat Complement C1q subcomponent subunit C (C1qc)

<b>Product Code</b>	CSB-EP003641RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P31722
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	NA GCYGIPGMPG LPGTPGKDGH DGLQGPKGEP GIPAIPGTQG PKGQKGEPGM PGHRGKNGPM GTSGSPGDPG PRGPPGEPGE EGRYKQKHQS VFTVTRQTAQ YPAANGLVKF NSAITNPQGD YNTNTGKFTC KVPGLYYFVH HTSQTANLCV QLLLNNAKVT SFCDHMSNSK QVSSGGVLLR LQRGDEVWLA VNDYNGMVGT EGSDSVFSGF 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.