

## Product datasheet for SC124311

### C1QC (NM\_172369) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1QC (NM_172369) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1QC
Synonyms:	C1Q-C; C1QG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124311 sequence for NM_172369 edited (data generated by NextGen Sequencing)

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ATGGACGTGGGGCCAGCTCCCTGCCCCACCTTGGGCTGAAGCTGCTGCTCCTGCTG
CTGCTGCCCTCAGGGGCAAGCCAACACAGGCTGCTACGGGATCCCAGGGATGCCCGGC
CTGCCCGGGCACCAGGGAAGGATGGGTACGACGACTGCCGGGGCCCAAGGGGAGCCA
GGAATCCCAGCCATTCCCGGGATCCGAGGACCCAAAGGGCAGAAGGGAGAACCCGGCTTA
CCCGGCCATCCTGGGAAAAATGGCCCCATGGGACCCCCTGGGATGCCAGGGGTGCCCGGC
CCCATGGGCATCCCTGGAGAGCCAGGTGAGGAGGGCAGATACAAGCAGAAATCCAGTCA
GTGTTACGGTCACTCGGCAGACCCACCAGCCCCTGCACCCAACAGCCTGATCAGATTC
AACGGGTCTCACCAACCCGCAGGGAGATTATGACACGAGCACTGGCAAGTTCACCTGC
AAAGTCCCGGCCTCTACTACTTTGTCTACCACGCGTCGCATACAGCCAACCTGTGCGTG
CTGCTGTACCGCAGCGGGTCAAAGTGGTCACCTTCTGTGGCCACACGTCCAAAACCAAT
CAGGTCAACTCGGGCGGTGTGCTGCTGAGGTTGCAGGTGGGCGAGGAGGTGTGGCTGGCT
GTCAATGACTACTACGACATGGTGGGCATCCAGGGCTCTGACAGCGTCTTCTCCGGCTTC
CTGCTTCCCGACTAG

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Clone variation with respect to NM\_172369.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_172369 unedited NNGGTCANAATTTGTATACGACTCCTATAGGCGGCCCGCAATTCGCACGAGGAGGGAA GCAGATCTGAGGACATCTCTGTGCCAGGCCAGAAACCGCCACCTGCAGTTCCTTCTCCG GGATGGACGTGGGGCCAGCTCCCTGCCCCACCTTGGGCTGAAGCTGCTGCTCCTGC TGCTGTGCCCTCAGGGCCAAGCCAACACAGGCTGCTACGGGATCCCAGGGATGCCCCG GCCTGCCCGGGCACCAGGGAAGGATGGGTACGACGGACTGCCGGGGCCAAGGGGGAGC CAGGAATCCCAGCCATTCCCGGGATCCGAGGACCCAAAGGGCAGAAGGGAGAACCCGGCT TACCCGGCCATCCTGGGAAAAATGGCCCCATGGGACCCCTGGGATGCCAGGGGTGCCCG GCCCCATGGGCATCCCTGGAGAGCCAGGTGAGGAGGGCAGATACAAGCAGAAATTCCAGT CAGTGTTACGGTCACTCGGCAGACCCACCAGCCCCCTGCACCCAACAGCCTGATCAGAT TCAACGCGGTCTCACCAACCCGAGGGAGATTATGACACGAGCACTGGCAAGTTCACCT GCAAAGTCCCCGGCTCTACTACTTTGTCTACCACGCGTCGCATACAGCCAACCTGTGCG TGCTGTGTACCGCAGCGCGTCAAAGTGGTACCTTCTGTGGCCACACGTCCAAAACCA ATCAGGTCAACTCGGGCGGTGTGCTGCTGAGGTTGCAGGTGGGCGAAGAGGTGTGGCTG GCTGTCATGACTATACGACATGGTGGGCATCCAGGCTCTGACAGCGTCTTCTCCGGCTTC CTGCTCTCCCGACTAGGNCCGGCAGATGCGCTCGAGCCCCACGGCCTTNCACCTCTCAG CTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_172369
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_172369.2</a> , <a href="#">NP_758957.2</a>
<b>RefSeq Size:</b>	1171 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	714
<b>UniProt ID:</b>	<a href="#">P02747</a>
<b>Cytogenetics:</b>	1p36.12
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus

**Gene Summary:**

This gene encodes the C-chain polypeptide of serum complement subcomponent C1q, which associates with C1r and C1s to yield the first component of the serum complement system. C1q is composed of 18 polypeptide chains which include 6 A-chains, 6 B-chains, and 6 C-chains. Each chain contains an N-terminal collagen-like region and a C-terminal C1q globular domain. C1q deficiency is associated with lupus erythematosus and glomerulonephritis.

[provided by RefSeq, Dec 2016]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-3 encode the same isoform (1).