

Product datasheet for **SC119857**

C1QB (NM_000491) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1QB (NM_000491) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1QB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119857 sequence for NM_000491 edited (data generated by NextGen Sequencing)

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ATGATGATGAAGATCCCATGGGGCAGCATCCCAGTACTGATGTTGCTCCTGCTCCTGGGC  
CTAATCGATATCTCCCAGGCCAGCTCAGCTGCACCGGGCCCCAGCCATCCCTGGCATC  
CCGGGTATCCCTGGGACACCTGGCCCCGATGGCCAACCTGGGACCCAGGGATAAAAAGGA  
GAGAAAGGGCTTCCAGGGCTGGCTGGAGACCATGGTGAGTTCGGAGAGAAGGGAGACCA  
GGGATTCCTGGGAATCCAGGAAAAGTCGGCCCCAAGGGCCCCATGGGCCCTAAAGGTGGC  
CCAGGGGGCCCCTGGAGCCCCAGGCCCAAGGTGAATCGGGAGACTACAAGGCCACCCAG  
AAAATCGCCTTCTCTGCCACAAGAACCATCAACGTCCCCTGCGCCGGGACCAGACCATC  
CGCTTCGACCACGTGATCACCAACATGAACAACAATTATGAGCCCCGCAGTGGCAAGTTC  
ACCTGCAAGGTGCCCGGTCTCTACTACTTCACCTACCACGCCAGCTCTCGAGGGAACTG  
TGCGTGAACCTCATGCGTGGCCGGGAGCGTGACACAGAAGGTGGTACCTTCTGTGACTAT  
GCCTACAACACCTTCCAGGTCACCACCGGTGGCATGGTCCTCAAGCTGGAGCAGGGGGAG  
AACGTCTTCTGCAGGCCACCGACAAGAACTCACTACTGGGCATGGAGGGTGCCAACAGC  
ATCTTTTCCGGGTTCTGCTCTTCCAGATATGGAGGCCTGA
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Clone variation with respect to NM_000491.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000491 unedited
 GTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGCACTGCTGCTCAGCCCAG
 TGGCCTCACAGGACACCAGCTTCCCAGGAGGCGTCTGACACAGTATGATGATGAAGATCC
 CATGGGGCAGCATCCCAGTACTGATGTTGCTCCTGCTCCTGGGCCTAATCGATATCTCCC
 AGGCCAGCTCAGCTGCACCGGGCCCCAGCCATCCCTGGCATCCCGGTATCCCTGGGA
 CACCTGGCCCCGATGGCCAACCTGGGACCCAGGATAAAAAGGAGAGAAAAGGGCTCCAG
 GGCTGGCTGGAGACCATGGTGTGATTTCGGAGAGAAGGGAGACCCAGGGATTCTGGGAATC
 CAGGAAAAGTCGGCCCCAAGGGCCCCATGGGCCCTAAAGGTGGCCAGGGGCCCTGGAG
 CCCCAGGCCCAAAGGTGAATCGGGAGACTACAAGGCCACCCAGAAAATCGCCTTCTCTG
 CCACAAGAACCATCAACGTCCCCTGCGCCGGGACCAGACCATCCGCTTCGACCACGTGA
 TCACCAACATGAACAACAATTATGAGCCCCGAGTGGCAAGTTCACCTGCAAGGTGCCCCG
 GTCTCTACTACTTACCTACCACGCCAGCTCTCGAGGGAACCTGTGCGTGAACCTCATGC
 GTGGCCGGGAGCGTGCACAGAAGGTGGTACCTTCTGTGACTATGCTACNACACCTTTC
 AGGTCACCACCCGTTGGCATGGTCCCTCAAGCTGGAGCAAGGGGAGAACGTCTTCTGTC
 AAGCCACCGACAAGAACTCACTACTGGGCATGGAGGGTGCCAACAGCATCTTTTTCGGGT
 TCCTGCTCTTCCAGATTTGGAGGCCTGACTCTGGGGCTGTTTCAATCCCCCGGTCTCC
 CT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000491 unedited
 TCTAGAGTCGAGNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCCCTGAAGAGTTT
 ATTTACTATTCACTCAGCAGCATTACCAAGCCCTACTGTGTGCATTGGCTGGGCAAGG
 GGTGGTGTGGGGTAAAATGAACGTTGCTGGCAAGGGGAACCCGGGTGGATGTGAAACA
 ACCCACAGGTCAAGCCTCCATATTTGAAAGAACAAGAACCCGGAAAAATGCTGTTGGC
 ACCCTCCATGCCAATAGTGAGTCTTGTGCGTGGCCTGCAAGAAAACCTTCTTCCCCTG
 CTCAGCTTGAGGACCATGCCACCGGTGGTACCTGAAAAGTGTGTAAGCATAATCACA
 AAAGGTGACCACCTTTTGTGCACGCTTCCGGCCACGCATGAGGTTACGCACAGGTTCCC
 TCGAAAGCTGGCGCGGTACGTGAAATAATAAGACCGGGCACCTTTGACGTGAACTTGCC
 ACTGCGGGGCCAATAATTGCCGGTCATGTTGGTGAACCTTGGTCCAAACCGATGGATT
 GGTCCCCGCGCAAGGGGACCTTTATTGGCCTTGTGGCAAAAACCGCATTTTCCGGTTGC
 CTTGAATTTACCGATTAACCTTTGGGGCCCGGGCCTCAAGGCCCTGGTCCCCTTTGGCC
 CTTGGCGCCTGGCGCTACCTCCTTTGGACCTCTAAACACCTCGGTTTCTTTTTTCTACA
 TTCCACTGCCCTTACCACCTTGAATTCCTTCCCTTTTTTTTTTTGTTGCCCTTTACCC
 CATGTTCCCAAATACGCCCCCCCTCACCCATTTACCAACCCGTTTTTATTCTCCCCC
 TCCCGTTCCCTTTTTCTCTCCCCCTAAATATTCCTTCTTACTCTCCCTATTTCCCT
 TTCTTCCATACTCCCCCTTACTTCCATTTTCTTTTCCCTCGTCCACTTACTCCTCCC
 ACCT

Restriction Sites:

ECoRI-NOT

ACCN:

NM_000491

OTI Disclaimer:

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).

Components:

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).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_000491.2 , NP_000482.2
RefSeq Size:	1072 bp
RefSeq ORF:	1044 bp
Locus ID:	713
UniProt ID:	P02746
Cytogenetics:	1p36.12
Domains:	C1Q, Collagen
Protein Families:	Secreted Protein
Protein Pathways:	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus
Gene Summary:	<p>This gene encodes the B-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]</p>