

Product datasheet for **SC323799**

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: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene sequence for NM_000491.3

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GGCTCCTGGTCCCCTGCTGCTCAGCCCAGTGGCCTCACAGGACACCAGCTTCCCAGGAG
GGCTCTGACACAGTATGATGATGAAGATCCCATGGGGCAGCATCCCAGTACTGATGTTGC
TCCTGCTCCTGGCCTAATCGATATCTCCCAGGCCAGCTCAGCTGCACCGGGCCCCCAG
CCATCCCCTGGCATCCCAGGTATCCCTGGGACACCTGGCCCCGATGGCCAACCTGGGACCC
CAGGGATAAAAAGGAGAGAAAAGGGCTTCCAGGGCTGGCTGGAGACCATGGTGAATTCGGAG
AGAAGGGAGACCCAGGGATTCTGGGAATCCAGGAAAAGTCGGCCCCAAGGGCCCCATGG
GCCCTAAAGGTGGCCAGGGGCCCTGGAGCCCCAGGCCCAAAGGTGAATCGGGAGACT
ACAAGGCCACCCAGAAAATCGCCTTCTCTGCCACAAGAACCATCAACGTCCCCCTGCGCC
GGGACCAGACCATCCGCTTCGACCACGTGATCACCAACATGAACAACAATTATGAGCCCC
GCAGTGGCAAGTTCACCTGCAAGGTGCCCGTCTCTACTACTTACCTACCACGCCAGCT
CTCGAGGGAAACCTGTGCGTGAACCTCATGCGTGGCCGGGAGCGTGACAGAAAGGTGGTCA
CCTTCTGTGACTATGCCTACAACACCTTCCAGGTCACCACCGGTGGCATGGTCTCAAGC
TGGAGCAGGGGGAGAACCTTCTCCTGCAGGCCACCGACAAGAAGTCACTACTGGGCATGG
AGGGTGCCAACAGCATCTTTCCGGTTCCTGCTCTTTCCAGATATGGAGGCCTGACCTG
TGGGCTGCTTACATCCACCCCGCTCCCCCTGCCAGCAACGCTCACTTACCCCCAACA
CCACCCCTTGCCAGCCAATGCACACAGTAGGGCTTGGTGAATGCTGCTGAGTGAATGAG
TAAATAAACTCTCAAGGCCAAGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_000491.3 , NP_000482.3
RefSeq Size:	1044 bp
RefSeq ORF:	762 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:	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]