

Product datasheet for **SC319556**

C1QA (NM_015991) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1QA (NM_015991) Human Untagged Clone
Tag: Tag Free
Symbol: C1QA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene sequence for NM_015991.2

```
CTGGGCGGAGGGCAGGAGCATCCAGTTGGAGTTGACAACAGGAGGCAGAGGCATCATGGA
GGGTCCCCGGGGATGGCTGGTGTCTGTGTGCTGGCCATATCGCTGGCCTCTATGGTGAC
CGAGGACTTGTGCCGAGCACAGACGGGAAGAAAGGGGAGGCAGGAAGACCTGGCAGACG
GGGGCGCCAGGCCTCAAGGGGAGCAAGGGGAGCCGGGGCCCTGGCATCCGGACAGG
CATCCAAGGCCTTAAAGGAGACCAGGGGAACTGGGCCCTCTGGAAACCCGGCAAGGT
GGGCTACCCAGGGCCAGCGGCCCTCGGGGCCCGTGGCATCCCGGGAATTAAGGCAC
CAAGGGCAGCCCAGGAAACATCAAGGACCAGCCAGGCCAGCCTTCTCCGCCATTCGGCG
GAACCCCAATGGGGGCAACGTGGTCATCTTCGACACGGTCATCACCACAGGAAGA
ACCGTACCAGAACCACTCCGGCCGATTCGTCTGCACTGTACCCGGCTACTACTACTCAC
CTTCCAGGTGCTGTCCAGTGGGAAATCTGCCTGTCCATCGTCTCCTCCTCAAGGGGCCA
GGTCCGACGCTCCCTGGGCTTCTGTGACACCACCAACAAGGGGCTTCCAGGTGGTGTC
AGGGGGCATGGTGCTTACGCTGCAGCAGGGTGACCAGGTCTGGGTTGAAAAGACCCCAA
AAAGGGTCACATTTACCAGGGCTCTGAGGCCGACAGCGTCTTACGCGGCTTCTCATCTT
CCCATCTGCCTGAGCCAGGGAAGGACCCCTCCCCACCCACCTCTGGCTTCCATGCT
CCGCTGTAAAATGGGGCGCTATTGCTTCAGCTGCTGAAGGGAGGGGCTGGCTCTGAG
AGCCCCAGGACTGGCTGCCCCGTGACACATGCTCTAAGAAGCTCGTTTCTTAGACCTCTT
CCTGGAATAAACATCTGTGTCTGTCTGCTGAAAAAAAAAAAAAAAAAAAA
```

Restriction Sites: Please inquire

ACCN: NM_015991

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).



[View online »](#)

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_015991.2 , NP_057075.1
RefSeq Size:	1098 bp
RefSeq ORF:	738 bp
Locus ID:	712
UniProt ID:	P02745
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 A-chain polypeptide of serum complement subcomponent C1q, which associates with C1r and C1s to yield the first component of the serum complement system. C1q deficiency is associated with lupus erythematosus and glomerulonephritis. 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. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]</p> <p>Transcript Variant: This variant (1) uses an alternate splice site in the 5' UTR, compared to variant (2). Variants 1-3 encode the same protein.</p>