

## Product datasheet for **SC322303**

### Clusterin (CLU) (NM\_203339) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clusterin (CLU) (NM_203339) Human Untagged Clone
Tag:	Tag Free
Symbol:	Clusterin
Synonyms:	AAG4; APOJ; CLI; KUB1; MGC24903; SGP-2; SGP2; SP-40; TRPM-2; TRPM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322303  
 CGCCAGGAGGAGCGCGGGGCACAGGGTGCCGCTGACCGAGGCGTGCAAAGACTCCAGAA  
 TTGGAGGCATGATGAAGACTCTGCTGCTGTTTGTGGGGCTGCTGCTGACCTGGGAGAGTG  
 GGCAGGTCCTGGGGGACCAGACGGTCTCAGACAATGAGCTCCAGGAAATGTCCAATCAGG  
 GAAGTAAGTACGTCAATAAGGAAATTCAAAATGCTGTCAACGGGGTGAACAGATAAAGA  
 CTCTCATAGAAAAACAAACGAAGAGCGCAAGACTGCTCAGCAACCTAGAAGAAGCCA  
 AGAAGAAGAAAGAGGATGCCCTAAATGAGACCAGGGAATCAGAGACAAAGCTGAAGGAGC  
 TCCCAGGAGTGTCAATGAGACCATGATGGCCCTCTGGGAAGAGTGAAGCCCTGCCTGA  
 AACAGACCTGCATGAAGTTCTACGCACGCGTCTGCAGAAGTGGCTCAGGCCTGGTTGGCC  
 GCCAGCTTGAGGAGTTCTGAACCCAGAGCTCGCCCTTCTACTTCTGGATGAATGGTGACC  
 GCATCGACTCCCTGCTGGAGAACGACCGGCAGCAGACGCACATGCTGGATGTCATGCAGG  
 ACCACTTCAGCCGCGCTCCAGCATCATAGACGAGCTCTCCAGGACAGGTTCTTCAACC  
 GGGAGCCCCAGGATACCTACCACTACCTGCCCTCAGCCTGCCCCACGGAGGCCTCACT  
 TCTTCTTCCCAAGTCCGCATCGTCCGACGTTGATGCCCTTCTCTCCGTACGAGCCCC  
 TGAACCTCCACGCCATGTTCCAGCCCTTCTTGAGATGATACACGAGGCTCAGCAGGCCA  
 TGACATCCACTTCCACAGCCCGCCTTCCAGCACCCGCCAACAGAATTCATACGAGAAG  
 GCGACGATGACCGGACTGTGTGCCGGGAGATCCGCCACAACCTCCACGGGCTGCCTGCGGA  
 TGAAGGACCAGTGTGACAAGTGCCGGGAGATCTTGTCTGTGGACTGTTCCACCAACAACC  
 CCTCCCAGGCTAAGCTGCGGGCGGAGCTCGACGAATCCCTCCAGGTGCTGAGAGGTTGA  
 CCAGGAAATACAACGAGCTGCTAAAGTCTACCAGTGGAAGATGCTCAACACCTCCTCCT  
 TGCTGGAGCAGCTGAACGAGCAGTTTAACTGGGTGTCCCGGCTGGCAAACCTCACGCAAG  
 GCGAAGACCAGTACTATCTGCGGGTCACCACGGTGGCTTCCCACACTTCTGACTCGGACG  
 TTCCTTCCGGTGTCACTGAGGTGGTGTGAAGCTCTTTGACTCTGATCCCATCACTGTGA  
 CGGTCCCTGTAGAAGTCTCCAGGAAGAACCCTAAATTTATGGAGACCGTGGCGGAGAAAG  
 CGCTGCAGGAATACCGCAAAAAGCACCGGAGGAGTGAGATGTGGATGTTGCTTTTGAC  
 CTACGGGGGCATCTGAGTCCAGCTCCCCCAAGATGAGCTGCAGCCCCCAGAGAGAGCT  
 CTGCACGTACCAAGTAACCGGCCCCAGCCTCCAGGCCCCCAACTCCGCCAGCCTCTC  
 CCCGCTCTGGATCCTGCACTCTAACACTCGACTCTGCTGCTCATGGGAAGAACAAGATTG  
 CTCCTGCATGCAACTAATTCAATAAAACTGTCTTGTGAGCTGAAAAAAAAAAAAAAAAAAAA  
 AAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_203339

**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).

**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:**

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\\_203339.1](#), [NP\\_976084.1](#)

**RefSeq Size:** 2979 bp

**RefSeq ORF:** 1350 bp

**Locus ID:** 1191

**Cytogenetics:** 8p21.1

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** The protein encoded by this gene is a secreted chaperone that can under some stress conditions also be found in the cell cytosol. It has been suggested to be involved in several basic biological events such as cell death, tumor progression, and neurodegenerative disorders. Alternate splicing results in both coding and non-coding variants.[provided by RefSeq, May 2011]

Transcript Variant: This variant (2) encodes the functional protein.