

Product datasheet for **SC127298**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_203339, the custom clone sequence may differ by one or more nucleotides

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ATGATGAAGACTCTGCTGCTGTTTGTGGGGCTGCTGCTGACCTGGGAGAGTGGGCAGGTCCTGGGGGACC
AGACGGTCTCAGACAATGAGCTCCAGGAAATGTCCAATCAGGGAAGTAAGTACGTCAATAAGGAAATTCA
AAATGCTGTCAACGGGGTAAACAGATAAAGACTCTCATAGAAAAACAACGAAGAGCGCAAGACTG
CTCAGCAACCTAGAAGAAGCCAAGAAGAAGAAAGAGGATGCCCTAAATGAGACCAGGGAATCAGAGACAA
AGCTGAAGGAGCTCCCAGGAGTGTGCAATGAGACCATGATGGCCCTCTGGGAAGAGTGTAAAGCCCTGCCT
GAAACAGACCTGCATGAAGTTCTACGCACGCTCTGCAGAAGTGGCTCAGGCCTGGTTGGCCGCCAGCTT
GAGGAGTTCCTGAACCAGAGCTCGCCCTTCTACTTCTGGATGAATGGTGACCGCATCGACTCCCTGCTGG
AGAACGACCGGCAGCAGACGCACATGCTGGATGTCATGCAGGACCACTTCAGCCGCGCTCCAGCATCAT
AGACGAGCTCTTCCAGGACAGGTTCTTCCACCCGGAGCCCAAGGATACCTACCACTACCTGCCCTTCAGC
CTGCCCCACCGGAGGCCTCACTTCTTCTTCCCAAGTCCCGCATCGTCCGCAGCTTGATGCCCTTCTCTC
CGTACGAGCCCTGAACTTCCACGCCATGTTCCAGCCCTTCTTGAGATGATACACGAGGCTCAGCAGGC
CATGGACATCCACTTCCATAGCCCGCCTTCCAGCACCCGCCAACAGAATTCATACGAGAAGGCGACGAT
GACCGGACTGTGTGCCGGGAGATCCGCCACAACCCACGGGCTGCCTGCGGATGAAGGACCAGTGTGACA
AGTGCCGGGAGATCTTGTCTGTGGACTGTTCCACCAACAACCCCTCCAGGCTAAGCTGCGGCGGGAGCT
CGACGAATCCCTCCAGGTCGCTGAGAGGTTGACCAGGAAATACAACGAGCTGCTAAAGTCTTACCAGTGG
AAGATGCTCAACACCTCCTCTTGCTGGAGCAGCTGAACGAGCAGTTAACTGGGTGTCGGGCTGGCAA
ACCTCACGCAAGGCGAAGACCAGTACTATCTGCGGGTCAACACGGTGGCTTCCACACTTCTGACTCGGA
CGTTCTTCCGGTGTCACTGAGGTGGTCGTGAAGCTCTTGTACTCTGATCCCATCACTGTGACGGTCCCT
GTAGAAGTCTCCAGGAAGAACCCTAAATTTATGGAGACCGTGGCGGAGAAAGCGCTGCAGGAATACCGCA
AAAAGCACCGGGAGGAGTGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_203339 unedited GCGGCCGGAATTCGGCACGAGCGGGCACAGGGTGCCGCTGACCGAGGCGTGCAAAGA CTCCAGAATTGGAGGCATGATGAAGACTCTGCTGCTGTTTGTGGGGCTGCTGCTGACCTG GGAGAGTGGGCAGGTCTGGGGGACCAGACGGTCTCAGACAATGAGCTCCAGGAAATGTC CAATCAGGGAAGTAAGTACGTCAATAAGGAAATCAAAATGCTGTCAACGGGGTGAACA GATAAAGACTCTCATAGAAAAACAAACGAAGAGCGCAAGACACTGCTCAGCAACCTAGA AGAAGCCAAGAAGAAGAAGAGGATGCCCTAAATGAGACCAGGGAATCAGAGACAAAGCT GAAGGAGCTCCCAGGAGTGTCAATGAGACCATGATGGCCCTCTGGGAAGAGTGTAAAGCC CTGCCTGAAACAGACCTGCATGAAGTTCTACGCACGCGTCTGCAGAAGTGGCTCAGGCCT GGTTGGCCGCCAGCTTGAGGAGTTCTGAACCAGAGCTCGCCCTTCTACTTCTGGATGAA TGGTGACCGCATCGACTCCCTGCTGGAGAACGACCGGCAGCAGACGCACATGCTGGATGT CATGCAGGACCACTTCAGCCGCGCTCCAGCATCATAGACGAGCTCTTCAGGACAGGTTCT TTCACCCGGGAGCCCCAGGATACCTACCACTACCTGCCCTTCAGCCTGCCCCACCGGAGG CCTCACTTCTTTCCAG
Restriction Sites:	NotI-NotI
ACCN:	NM_203339
Insert Size:	1730 bp
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:	<u>NM_203339.1</u> , <u>NP_976084.1</u>
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.