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Product datasheet for SC328762

Clusterin (CLU) (NM_001171138) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clusterin (CLU) (NM_001171138) 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:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_001171138 edited
ATGGAGGCGTGCAAAGACTCCAGAATTGGAGGCATGATGAAGACTCTGCTGCTGTTTGTG
GGGCTGCTGCTGACCTGGGAGAGTGGGCAGGTCCTGGGGGACCAGACGGTCTCAGACAAT
GAGCTCCAGGAAATGTCCAATCAGGGAAGTAAGTACGTCAATAAGGAAATTCAAAATGCT
GTCAACGGGGTGAAACAGATAAAGACTCTCATAGAAAAAACAAACGAAGAGCGCAAGACA
CTGCTCAGCAACCTAGAAGAAGCCAAGAAGAAGAAAGAGGATGCCCTAAATGAGACCAGG
GAATCAGAGACAAAGCTGAAGGAGCTCCCAGGAGTGTGCAATGAGACCATGATGGCCCTC
TGGGAAGAGTGTAAGCCCTGCCTGAAACAGACCTGCATGAAGTTCTACGCACGCGTCTGC
AGAAGTGGCTCAGGCCTGGTTGGCCGCCAGCTTGAGGAGTTCCTGAACCAGAGCTCGCCC
TTCTACTTCTGGATGAATGGTGACCGCATCGACTCCCTGCTGGAGAACGACCGGCAGCAG
ACGCACATGCTGGATGTCATGCAGGACCACTTCAGCCGCGCGTCCAGCATCATAGACGAG
CTCTTCCAGGACAGGTTCTTCACCCGGGAGCCCCAGGATACCTACCACTACCTGCCCTTC
AGCCTGCCCCACCGGAGGCCTCACTTCTTCTTTCCCAAGTCCCGCATCGTCCGCAGCTTG
ATGCCCTTCTCTCCGTACGAGCCCCTGAACTTCCACGCCATGTTCCAGCCCTTCCTTGAG
ATGATACACGAGGCTCAGCAGGCCATGGACATCCACTTCCACAGCCCGGCCTTCCAGCAC
CCGCCAACAGAATTCATACGAGAAGGCGACGATGACCGGACTGTGTGCCGGGAGATCCGC
CACAACTCCACGGGCTGCCTGCGGATGAAGGACCAGTGTGACAAGTGCCGGGAGATCTTG
TCTGTGGACTGTTCCACCAACAACCCCTCCCAGGCTAAGCTGCGGCGGGAGCTCGACGAA
TCCCTCCAGGTCGCTGAGAGGTTGACCAGGAAATACAACGAGCTGCTAAAGTCCTACCAG
TGGAAGATGCTCAACACCTCCTCCTTGCTGGAGCAGCTGAACGAGCAGTTTAACTGGGTG
TCCCGGCTGGCAAACCTCACGCAAGGCGAAGACCAGTACTATCTGCGGGTCACCACGGTG
GCTTCCCACACTTCTGACTCGGACGTTCCTTCCGGTGTCACTGAGGTGGTCGTGAAGCTC
TTTGACTCTGATCCCATCACTGTGACGGTCCCTGTAGAAGTCTCCAGGAAGAACCCTAAA
TTTATGGAGACCGTGGCGGAGAAAGCGCTGCAGGAATACCGCAAAAAGCACCGGGAGGAG
TGAGAT:G:TGGATGTTGCTTTTGCACCTACGGGGGCATCTGAGTCCAGCTCCCCCCAAG
ATGAGCTGCAGCCCCCCAGAGAGAGCTCTGCACGTCACCAAGTAACCAGGCCCCAGCCTC
CAGGCCCCCAACTCCGCCCAGCCTCTCCCCGCTCTGGATCCTGCACTCTAACACTCGACT
CTGCTGCTCATGGGAAGAACAGAATTGCTCCTGCATGCAACTAATTCAATAAAACTGTCT
TGTGAGCTGAAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_001171138

Insert Size: 1500 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).

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_001171138.1, NP_001164609.1
RefSeq Size:	2854 bp
RefSeq ORF:	1383 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 (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (3, also called 11036) has a shorter and distinct N-terminus compared to isoform 1.