

Product datasheet for **SC119128**

Coatomer subunit delta (ARCN1) (NM_001655) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coatomer subunit delta (ARCN1) (NM_001655) Human Untagged Clone
Tag:	Tag Free
Symbol:	Coatomer subunit delta
Synonyms:	COPD; SRMMD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119128 sequence for NM_001655 edited (data generated by NextGen Sequencing)

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ATGGTGTCTGTTGGCAGCAGCGGTCTGCACAAAAGCAGGAAAGGCTATTGTTTCTCGACAG
TTTGTGAAAATGACCCGAACTCGGATTGAGGGCTTATTAGCAGCTTTTCCAAAGCTCATG
AACACTGGAAAACAACATACGTTTGTGAAACAGAGAGTGAAGATATGTCTACCAAGCCT
ATGGAGAAAAGTATATGGTACTGATCACTACCAAAAACAGCAACATTTTAGAAGATTTG
GAGACCCTAAGGCTCTTCTCAAGAGTATCCCTGAATATTGCCGAGCCTTAGAAGAGAAT
GAAATATCTGAGCACTGTTTTGATTTGATTTTTGCTTTTGTGAAATTGTCGCACTGGGA
TACCGGGAGAATGTTAACTTGGCACAGATCAGAACCTTACAGAAATGGATTCTCATGAG
GAGAAGGTGTTCCAGAGCCGTGAGAGAGACTCAAGAACGTGAAGCTAAGGCTGAGATGCGT
CGTAAAGCAAAGGAATTACAACAGGCCCGAAGAGATGCAGAGAGACAGGGCAAAAAGCA
CCAGGATTTGGCGGATTTGGCAGCTCTGCAGTATCTGGAGGCAGCACAGCTGCCATGATC
ACAGAGACCATCATTGAAACTGATAAACCAAAAAGTGGCACCTGCACCAGCCAGGCCTTCA
GGCCCCAGCAAGGCTTTAAAACCTGGAGCCAAAGGAAAGGAAAGTAGATAACTTTGTGGAC
AAATTAATCTGAAGGTGAAACCATCATGTCCTTAGTATGGGCAAGCGTACTTCTGAA
GCAACCAAAATGCATGCTCCACCCATTAATATGGAAGGTACATATGAAGATTGAAGAA
AAGATAACATTAACCTGTGGACGAGACGGAGGATTACAGAATATGGAGTTGCATGGCATG
ATCATGCTTAGGATCTCAGATGACAAGTATGGCCGAATTCGTCTTTCATGTGAAAATGAA
GATAAGAAAGGGTGCAGCTACAGACCCATCCAATGTGGATAAAAAACTTTTCACTGCA
GAGTCTCTAATTTGGCCTGAAGAAATCCAGAGAAGTCATTTCCAGTCAACAGTGACGTAGGG
GTGCTAAAGTGGAGACTACAACCACAGAGGAATCTTTTATTCCACTGACAATTAATTGC
TGGCCCTCGGAGAGTGGAAATGGCTGTGATGTCAACATAGAATATGAGCTACAAGAAGT
AATTTAGAACTGAATGATGTGGTTATCACCATCCCACTCCCGTCTGGTGTGCGGCGCCT
GTTATCGGTGAGATCGATGGGGAGTATCGACATGACAGTCGACGAAATACCCTGGAGTGG
TGCTGCTGTGATTGATGCCAAAAATAAGAGTGGCAGCCTGGAGTTTAGCATTGCTGGG
CAGCCCAATGACTTCTTCCCTGTCAAGTTTCTTTGTCTCCAAGAAAAATTACTGTAAC
ATACAGGTTACCAAAGTGACCCAGGTAGATGGAACAGCCCCGTGAGTTTTCCACAGAG
ACCACTTCTAGTGGATAAGTATGAAATTCTGTAA
    
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Clone variation with respect to NM_001655.4

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001655 unedited

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NGGTTCAAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCAGTGGAG
CCGGAGTGCAGGGCGGCCACCACCGCCCTCACCATGGTGTCTTGGCAGCAGCGGTCT
GCACAAAAGCAGGAAAGGCTATTGTTTCTCGACAGTTTGTGAAATGACCCGAACTCGGA
TTGAGGGCTTATTAGCAGCTTTTCCAAAGCTCATGAACACTGAAAACAACATACGTTTG
TTGAAACAGAGAGTGAAGATATGTCTACCAGCCTATGGAGAACTGTATATGGTACTGA
TCACTACCAAAAACAGCAACATTTTAGAAGATTTGGAGACCCTAAGGCTCTTCTCAAGAG
TGATCCCTGAATATTGCCGAGCCTTAGAAGAGAATGAAATATCTGAGCACTGTTTTGATT
TGATTTTTGCTTTTGTGAAATTGTCGCACTGGGATACCGGGAGAATGTTAACTTGGCAC
AGATCAGAACCTTACAGAAATGGATTCTCATGAGGAGAAGGTGTTCCAGAGCCGTGAGAG
AGACTCAAGAACGTGAAGCTAAGGCTGAGATGCGTCGTAAGCAAAGGAATTACAACAGG
CCCGAAGAGATGCAGAGAGACAGGGCAAAAAGCACCAGGATTTGGCGGATTTGGCAGCT
CTGCAGTATCTGGAGGCAGCACAGCTGCCATGATCAGAGACCATCATTGAAACTGATA
AACCAAAAAGTGGCACCTGCACCAGCCAGGCCTTTCAGCCCCAGCAAGGCTTTAAAACCTG
GAGCCAAAGGAAAGGAGTAGATAACTCTGTGGACANATAAAATCTGAAGGTGAACCATCA
TGTCTCTAGTATGGNCAGCGTACTTCTGAAAGCACCAATGCATGCTNCAACCATTAT
ATGGNAAGTGTACATATGA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001655 unedited CTATGCCCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCATTTTATAATG CGCTTTATTTGATTAAAGAATTTGCCTTCTTTGTATACACTGGAAATGTTATATTCCTA TGTATTTTACAGGGTTACAAAATGTCTCTCATTTTAAATATTACCCAAAAGTAATCTCA AAAAAAAAAAGGTTTTTTGAAATTAACCTGACTTTTAAAAATCATACGGACAAACAAC TTCAAACAAAACCTGGATTAGTAGGATTTCTTGCCTGCTTAACTAACATGACAGACTTCTT GTCCCAAGCCCTTCTCAAAAAACCTCATGTGGAAACCAAGCTAGAGATAAGAATTCCTC CCTGATGCAGTTAGGGGAAAGGGAAAGGCTAGAAACTTCTTTGGCAAGCAATTCCACACA CAGCCATTTATGTGTGAGTGCTCTGCTTCAAGCACAGTACACTCTTTCAGGGACGGCCA GATGTTTCAGAGTGGGAGTGGTACTTTTCAACCAGCTAAAAGTGCAGAAGTCATCTAGTCG TCTGCCTCTTCCCACTGCCAGTGCCTGCAGCCTTGACGCAACTTTTAAACCACCCCTATGG ACTGGAATATTGAGTTAAAAGCCAAGGCTGAGCTGGCTGACGCTGTANTCTCCATTGAAA AGGAAATGGATGAGATGGAACCGAGAAACCACCAAGTACATGATGACACTAAAAGACTTA GGGGGAAAAGAGAANGAAGGATTTANAGATGGGGACAGACTGGTGGAAAAATGTTGGCT GACTGGAANGAATGGGGTATACGTGAGTAAATGTACATATCGAAACAATCAGTTGCCTC CTGAAATGCAAAATCAATGGTGAATGGNAGCTNCTTGATAGTTTAGGCCACAGATGNCA AAAACTTCCTA
Restriction Sites:	NotI-NotI
ACCN:	NM_001655
Insert Size:	4000 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_001655.3</u> , <u>NP_001646.2</u>
RefSeq Size:	3916 bp
RefSeq ORF:	1536 bp
Locus ID:	372
UniProt ID:	<u>P48444</u>
Cytogenetics:	11q23.3
Domains:	Adap_comp_sub

Gene Summary:

This gene maps in a region, which include the mixed lineage leukemia and Friend leukemia virus integration 1 genes, where multiple disease-associated chromosome translocations occur. It is an intracellular protein. Archain sequences are well conserved among eukaryotes and this protein may play a fundamental role in eukaryotic cell biology. It has similarities to heat shock proteins and clathrin-associated proteins, and may be involved in vesicle structure or trafficking. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).