

Product datasheet for **RC227118**

Coatomer subunit delta (ARCN1) (NM_001142281) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coatomer subunit delta (ARCN1) (NM_001142281) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coatomer subunit delta
Synonyms:	COPD; SRMMD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227118 representing NM_001142281
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCCTGAATATTGCCGAGCCTTAGAAGAGAATGAAATATCTGAGCACTGTTTTGATTTGATTTTTG
 CTTTTGATGAAATTGTCCGACTGGGATACCGGGAGAATGTTAACTTGGCAGAGATCAGAACCTTCACAGA
 AATGGATTCTCATGAGGAGAAGGTGTTCCAGAGCCGTCAGAGAGACTCAAGAACGTGAAGCTAAGGCTGAG
 ATGCGTCGTAAAGCAAAGGAATTACAACAGGCCCGAAGAGATGCAGAGAGACAGGGCAAAAAAGCACCAG
 GATTTGGCGGATTTGGCAGCTCTGCAGTATCTGGAGGCAGCACAGCTGCCATGATCACAGAGACCATCAT
 TGAAACTGATAAACCAAAAGTGGCACCTGCACCAGCCAGGCCCTTCAGGCCCCAGCAAGGCTTTAAAACTT
 GGAGCCAAAGGAAAGGAGTAGATAACTTTGTGGACAAATTAATACTGAAGGTGAAACCATCATGTCCT
 CTAGTATGGGCAAGCGTACTTCTGAAGCAACCAAAATGCATGCTCCACCATTAAATGGAAGGTGATACA
 TATGAAGATTGAAGAAAAGATAACATTAACCTGTGGACGAGACGGAGGATTACAGAATATGGAGTTGCAT
 GGCATGATCATGCTTAGGATCTCAGATGACAAGTATGGCCGAATTCGTCTTCATGTGAAAAATGAAGATA
 AGAAAGGGGTGCAGCTACAGACCCATCCAAATGTGGATAAAAACTTTTCACTGCAGAGTCTCTAATTGG
 CCTGAAGAATCCAGAGAAGTCAATTCAGTCAACAGTGACGTAGGGGTGCTAAAGTGGAGACTACAAACC
 ACAGAGGAATCTTTTATCCACTGACAATTAATTGCTGGCCCTCGGAGAGTGGAAATGGCTGTGATGTCA
 ACATAGAATATGAGCTACAAGAAGATAATTTAGAACTGAATGATGTGGTTATCACCATCCCACTCCCGTC
 TGGTGTCCGGCGCCTGTTATCGGTGAGATCGATGGGGAGTATCGACATGACAGTCGACGAAATACCCTG
 GAGTGGTGCCTGCCTGTGATTGATGCCAAAAATAAGAGTGGCAGCCTGGAGTTTACGATTGCTGGGCAGC
 CCAATGACTTCTCCCTGTTCAAGTTTCTTTGTCTCCAAGAAAAATTAAGTAAACATACAGGTTACCAA
 AGTGACCAGGTAGATGGAACAGCCCGTCAGGTTTTCCACAGAGACCCTTTCCTAGTGGATAAGTAT
 GAAATTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227118 representing NM_001142281
 Red=Cloning site Green=Tags(s)

MIPEYCRAL EENEISEHCFDLIFAFDEIVALGYRENVNLAQIRTFTEMDSHEEKVFRVRETQEREAKAE
 MRRKAKELQQARRDAERQKKAPGFGGSSAVSGGSTAAMITETIIETDKPKVAPAPARPSGSKALKL
 GAKGKEVDNFVDKLSSEGETIMSSSMGKRTSEATKMHAPPINMESVHMKIEEKITLTCGRDGLQNMELH
 GMIMLRISDDKYGRIRLHVENEDKKGVLQTHPNVDKLLFTAESLIGLKNPEKSFVNSDVGVLKWLQT
 TEESFIPLTINCWPSESGNGCDVNI EYELQEDNLELNDVVIT IPLPSGVGAPVIGEIDGEYRHSRRNTL
 EWCLPVIDAKNKSGSLEFSIAGQPNDFFPVQVSVFVSKKNYCNIQVTKVTQVDGNSPVRFSTETTFVLVDKY
 EIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8058_h02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001142281

ORF Size: 1269 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001142281.1](#), [NP_001135753.1](#)

RefSeq ORF: 1272 bp

Locus ID: 372

UniProt ID: [P48444](#)

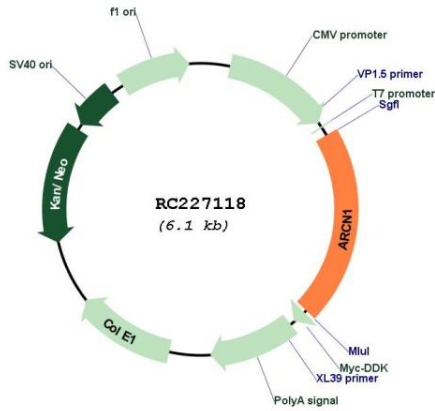
Cytogenetics: 11q23.3

MW: 47 kDa

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]

Product images:



Circular map for RC227118