

Product datasheet for **RG227118**

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:	TurboGFP
Symbol:	Coatomer subunit delta
Synonyms:	COPD; SRMMD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227118 representing NM_001142281 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCCTGAATATTGCCGAGCCTTAGAAGAGAATGAAATATCTGAGCACTGTTTTGATTTGATTTTGG
CTTTTGTGAAATTGTGCGACTGGGATACCGGGAGAATGTTAACTTGGCACAGATCAGAACCTTCACAGA
AATGGATTCTCATGAGGAGAAGGTGTTCCAGAGCCGTCAGAGAGACTCAAGAACGTGAAGCTAAGGCTGAG
ATGCGTCGTAAGCAAAGGAATTACAACAGGCCGAAGAGATGCAGAGAGACAGGGCAAAAAAGCACCAG
GATTTGGCGGATTTGGCAGCTCTGCAGTATCTGGAGGCAGCACAGCTGCCATGATCACAGAGACCATCAT
TGAAACTGATAAACCAAAAGTGGCACCTGCACCAGCCAGGCTTCAGGCCCCAGCAAGGCTTTAAAACCT
GGAGCCAAAGGAAAGGAAGTAGATAACTTTGTGGACAAATTTAAATCTGAAGGTGAAACCATCATGTCTCT
CTAGTATGGGCAAGCGTACTTCTGAAGCAACCAAAATGCATGCTCCACCCATTAATATGGAAAGTGTACA
TATGAAGATTGAAGAAAAGATAACATTAACCTGTGGACGAGACGGAGGATTACAGAATATGGAGTTGCAT
GGCATGATCATGCTTAGGATCTCAGATGACAAGTATGGCCGAATTCGTCTTCATGTGGAAAATGAAGATA
AGAAAGGGGTGCAGCTACAGACCCATCCAATGTGGATAAAAACTTTTCACTGCAGAGTCTCTAATTGG
CCTGAAGAATCCAGAGAAGTCATTTCCAGTCAACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGT
ACAGAGGAATCTTTTATCCACTGACAATTAATTGCTGGCCCTCGGAGAGTGGAAATGGCTGTGATGTCA
ACATAGAATATGAGCTACAAGAAGATAATTTAGAACTGAATGATGTGGTTATCACCATCCCACCTCCGTC
TGGTGTGGCGCCCTGTTATCGGTGAGATCGATGGGGAGTATCGACATGACAGTACGACGAAATACCCCTG
GAGTGGTGCCTGCCTGTGATTGATGCCAAAAAAGAGTGGCAGCCTGGAGTTTAGCATTGCTGGGCAGC
CCAATGACTTCTCCCTGTTCAAGTTTCTTTGTCTCCAAGAAAAATTACTGTAACATACAGGTTACCAA
AGTGACCCAGGTAGATGGAAACAGCCCCGTCAGGTTTTCCACAGAGACCCTTCTAGTGGATAAGTAT
GAAATTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG227118 representing NM_001142281
 Red=Cloning site Green=Tags(s)

MIPEYCRAL EENEISEHCFDLIFAFDEIVALGYRENVNLAQIRTFTEMDSHEEKVFRVAVRETQEREAKAE
 MRRKAKELQQARRDAERQKKAPGFGGSSAVSGGSTAAMITETIIETDKPKVAPAPARPSGSKALKL
 GAKGKEVDNFVDKLGSEGETIMSSSMGKRTSEATKMHAPPINMESVHMKIEEKITLTCGRDGLQNMELH
 GMIMLRISDDKYGRIRLHVENEDKKGVQLQTHPNVDKLF TAESLIGLKNPEKSFVNSDVGLKWRLQT
 TEESFIPLTINCWPSESGNGCDVNI EYELQEDNLELNDVVIT IPLPSGVGAPVIGEIDGEYRHDSRRTL
 EWCLPVIDAKNKSGSLEFSIAGQPNDFFPVQVSFVSKKNYCNIQVTKVTQVDGNSPVRFSTETTFLVDKY
 EIL

TRTRPLE - GFP Tag - V

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 Size: 3768 bp

RefSeq ORF: 1272 bp

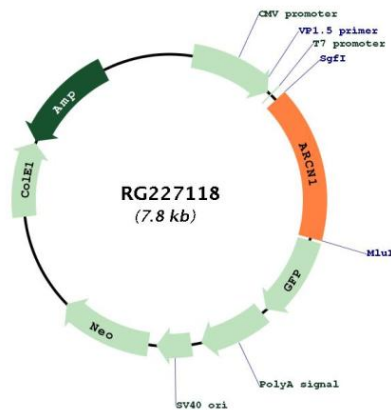
Locus ID: 372

UniProt ID: [P48444](#)

Cytogenetics: 11q23.3

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 RG227118