

## Product datasheet for SC325908

### Coatomer subunit delta (ARCN1) (NM\_001142281) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Coatomer subunit delta (ARCN1) (NM_001142281) Human Untagged Clone                         |
| Tag:                      | Tag Free   |
| Symbol:                   | ARCN1  |
| Synonyms:                 | COPD; SRMMD  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC325908 representing NM_001142281.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

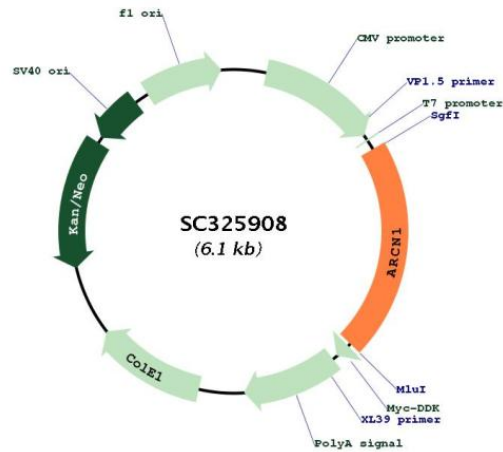
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TTCCTAGTGGATAAGTATGAAATTTCTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001142281

Insert Size: 1272 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\\_001142281.1](#)

RefSeq Size: 3768 bp

RefSeq ORF: 1272 bp

Locus ID: 372

UniProt ID: [P48444](#)

Cytogenetics: 11q23.3

MW: 47.2 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]  
Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1, and encodes a protein (isoform 2) with a shorter N-terminus, compared to isoform 1.