

### **Product datasheet for RR203391L3**

# Arcn1 (NM\_001007662) Rat Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Arcn1 (NM\_001007662) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Arcn1

Synonyms: MGC94158

Mammalian Cell Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RR203391).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_001007662

ORF Size: 1533 bp



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#### Arcn1 (NM\_001007662) Rat Tagged Lenti ORF Clone - RR203391L3

**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: <u>NM 001007662.1</u>, <u>NP 001007663.1</u>

 RefSeq Size:
 3485 bp

 RefSeq ORF:
 1536 bp

 Locus ID:
 300674

 UniProt ID:
 Q66H80

 Cytogenetics:
 8q22

**Gene Summary:** The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly

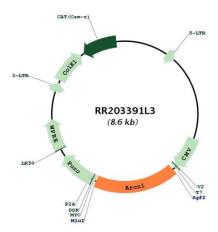
associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing,

activity, and endocytic recycling of LDL receptors (By similarity).[UniProtKB/Swiss-Prot

Function]



## **Product images:**



Circular map for RR203391L3