

Product datasheet for RR212927L3

Atad1 (NM_001035002) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Atad1 (NM_001035002) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Atad1

Synonyms: Ab2-088

Mammalian Cell Puromycin

Selection:

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(RR212927).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_001035002

ORF Size: 1083 bp



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Atad1 (NM_001035002) Rat Tagged Lenti ORF Clone - RR212927L3

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 001035002.1</u>, <u>NP 001030174.1</u>

 RefSeq Size:
 2330 bp

 RefSeq ORF:
 1086 bp

 Locus ID:
 309532

 UniProt ID:
 Q505|9

 Cytogenetics:
 1q52

Gene Summary: ATPase that plays a critical role in regulating the surface expression of AMPA receptors

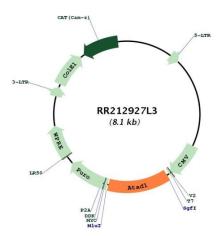
(AMPAR), thereby regulating synaptic plasticity and learning and memory. Required for NMDA-stimulated AMPAR internalization and inhibition of GRIA1 and GRIA2 recycling back to

the plasma membrane; these activities are ATPase-dependent.[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for RR212927L3