

Product datasheet for RR212100L3

Troduct datasficct for RRZ12100ES

Odam (NM_001044274) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Odam (NM_001044274) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Odam

Synonyms: Apin

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(RR212100).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.



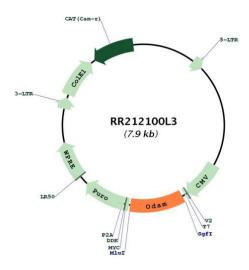
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Plasmid Map:



ACCN: NM_001044274

ORF Size: 834 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: <u>NM 001044274.1</u>, <u>NP 001037739.1</u>

RefSeq Size: 1189 bp RefSeq ORF: 837 bp



Odam (NM_001044274) Rat Tagged Lenti ORF Clone - RR212100L3

 Locus ID:
 641555

 UniProt ID:
 Q3HS83

 Cytogenetics:
 14p21

Gene Summary: Tooth-associated epithelia protein that probably plays a role in odontogenesis, the complex

process that results in the initiation and generation of the tooth. May be incorporated in the enamel matrix at the end of mineralization process. Involved in the induction of RHOA activity via interaction with ARHGEF and expression of downstream factors such as ROCK. Plays a role

in attachment of the junctional epithelium to the tooth surface.[UniProtKB/Swiss-Prot

Function]