

Product datasheet for RN212100

Odam (NM_001044274) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Odam (NM_001044274) Rat Untagged Clone
Tag: Tag Free
Symbol: Odam
Synonyms: Apin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212100 representing NM_001044274
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAATTATAATTCTTCTGGACTCATCGGAGCTACATCGTCAGCCCCGTTATAACACAGCGTCTAT
TGTCGTCTAGCAACAGCCATGAGTTACTCCTGAATCTTAATAATGGTCAACTTTTGCCACTGCAATTTCA
GAGCGCCTTCAACTCCTGGATTCTCCCTCCCTGGGCTTCTACAGCAGCAACAGCAGCAGGCTCAGGTC
TCAGGACACCCACAGTTTCTCTCAACACTAGAGAGCTTTGCTGGGCTATTCCCAAATCAGATACCTT
TCTCAAGACAGGTTGGGTTTGCCCAAGGAGGTCAGGCTGGCCAGCCAGACTTCTCACAGCAGCAGACACC
ATCTCAGACCCAGCAGGCTAGTCTATGTCTATGTGGTTCTGTAAAAGTGCCTCAAGATCAAACACAG
ATGTTTCAGTACTACCCAGTTTACATGCTTCTGCCCTGGGAGCAACCACAGCAGACAGTCACATCCTCTC
CCCAGCAGACAGGGCAGCAGCTATACGAGGAACAGATACCATTCTATAATCAATTTGGATTTGTACCACA
ACAAGCAGAACCTGGTGTACCAGGAGGACAGCAGCACTTAGTTCTTGACAGCTTTGTAGGCACAGCTCCA
GAAACTCCTGGAATGCCAGCAGTAGAAGGCCCGCTGTATCCACAAAAAGAACCAATCGGCTTTAAGCAAG
ATAATGTAGGCGTTTCCACGCCCTCAACTTCACAAAACCCGACACGGGCAATTTTTTCACTTCTGAAAT
AAACCCGACGATTGCTCCACTGCTTCCAGAACAGAAGGTCAATGCTGATAGCCTAAGAGAACCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001044274
Insert Size: 837 bp



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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).
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:	<ol style="list-style-type: none">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_001044274.1 , NP_001037739.1
RefSeq Size:	1189 bp
RefSeq ORF:	837 bp
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]