

Product datasheet for **SC125928**

ODAM (NM_017855) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ODAM (NM_017855) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ODAM |
| Synonyms: | APIN |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for NM_017855 edited TGATGCCCTATGTATTCTCCTTCAAAATGCCTCAAGAGCAAGGACAGATGTTTCAATACT ATCCAGTTTACATGGTCCTACCCTGGGAACAACCTCAGCAAACAGTTCCAAGGTCACCTC AACAAACAAGACAGCAACAGTATGAGGAGCAGATACCATTCTATGCTCAATTTGGATACA TTCCACAAGTACGAGAACCTGCTATATCAGGAGGACAGCAGCAACTAGCTTTTGATCCCC AACTAGGCACAGCTCCTGAAATTGCTGTGATGTCAACAGGAGAAGAGATACCATATTTAC AAAAAGAAGCGATCAACTTTAGACATGACAGTGCAGGAGTTTTTCATGCCCTCAACTTCAC CAAAACCCAGCACAACCAATGTTTTCACTTCTGCTGTAGACCAAATATTACCCAGAGC TCCCAGAAGAGAAGGACAAGACTGACAGCCTAAGGGAACCATAAGAAGTTGCCCTGATCA TTCAGACATTTTGGAAAAAGATGTGGCCATGCCTTGGATATAATTTTAGGCTATTAGCT TCCTCAATACTAGTATCAGTTCTTTGGAATACATGAAATATCTTGACTCTTCTCCTAAAT TTGTTTTTACTTATACATGTTATTAACCTCTTAAATATGTCATAGAAAATAATACAATC ATGTAATGAGTCTTGCTTACAAAATTATATGTCTCTTCAAATATCCTATCATTGTATAA TATGGAATATAATAACACAGAATAAAGCTAGTATCATTAAATCAATTGGATAATTGCATT AGTAAATGATGCCTCTGCAAAATGGTAGTACCCATGAAGATATGTATATTGTCATTGGAT GTATGATGAGTGTGTGATTGGAAGTGAAGTAAATAAGTATCTAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA |



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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_017855 unedited GGGTCAGGATTTGTAAACGACTCACTATAGGCGGCGCGGAATTCGCCATTACGGCCGGG GTGATGCCCTATGTATTCTCCTTCAAAATGCCTCAAGAGCAAGGACAGATGTTTCAATAC TATCCAGTTTACATGGGCTACCTGGGAACAACCTCAGCAAACAGTTCCAAGGGCACCT CAACAAACAAGACAGCAACAGTATGAGGAGCAGATACCATTCTATGCTCAATTTGGATAC ATTCCACAACACTAGCAGAACCTGCTATATCAGGAGGACAGCAGCAACTAGCTTTTGATCCC CAACTAGGCACAGCTCCTGAAATTGCTGTGATGTCAACAGGAGAAGAGATACCATATTTA CAAAAAGAAGCGATCAACTTTANACATGACAGTGACAGGAGTTTTTCATGCCCTCAACTTCA CCAAAACCCAGCACAACCAATGTTTTCACTTCTGCTGTAGACCAAACTATTACCCAGAG CTCCCAGAAGAGAAGGACAAGACTGACAGCCTAAGGGAACCATAAGAAGTTGCCCTGATC ATTCAAACATTTTGGAAAAAGATGTGGCCATGCCTTNGGTATAATTTTAGGCTATTAGC TTCCTCAATACTAGTATCAGTTCTTTTGGATACATGAAATATCTTGACTTCTCTCTAAA TTTGTTTTACTTATACATGTGATTAACCTCTTAAATATGTCATAGAAAAATATACAAT CATGAATGAGTGTGGCTACAAAATATATGTCTTCAATATCCTATCATTGTGTATATG GGAGTATATANCCAGGATAAGGCGGTGTCATTAATCAATTGGATATTGCATANTAAATG AGGCTCTGCAAAATGGGGTACCATGAAGAATGTATATGGCATGGAGTATAAGAGGGTGTGA TTGGACGATAAGTAAATAATTCT |
| Restriction Sites: | Please inquire |
| ACCN: | NM_017855 |
| OTI Disclaimer: | Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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 |
| 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_017855.2 , NP_060325.2 |
| RefSeq Size: | 917 bp |
| RefSeq ORF: | 462 bp |

Locus ID: 54959

UniProt ID: [A1E959](#)

Cytogenetics: 4q13.3

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]