

## Product datasheet for MC210968

### Odam (NM\_027128) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Odam (NM_027128) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Odam
Synonyms:	2310011G06Rik; APIN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC210968 representing NM_027128 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAAAATTATAATTCTTCTGGACTCATAGGAGCCTCATCATCAGCCCCGTTATCTCGCAGCGTCTAT  
TGTCTGCTAGCAACAGTCATGAGCTACTCCTGAATCTTAATAATGGTCAACTTTTGCCACTGCAGTTCCA  
GGGTGCCCTTCAACTCCTGGATTCTCCCTCCCTGGGTTTCTGCAGCAGCAGCAGGCTCAGGTCTCAGGA  
CGCCACAGTTTACTCTCTCAACACTAGAGAGCTTTGCTGGACTATTCCCAAATCAGATACCTTTATCAA  
GACAGGTTGGACTTGCCCAAGGAGGCCAGGCTGGCCAGCCAGACCTCTCTCAGCAGCAGACACCCTCA  
GACCCAGCAGAGTGCTAGCCCTATGTCCTATGTGGTACCTGTCAAAGTACCTCAAGATCAAACACAGATG  
TTTCAGTACTATCCAGTTTACATGCTTCTGCCCTGGGAGCAGCCTCAGACCGTCACATCCTCACCACAGC  
ACACAGGGCAGCAGCTATTTGAGGAACAGATACCTTTCTATAATCAATTTGGATTTCGACCAACACAAGC  
AGAACCTGGGGTACCAGGAGGGCAGCAGCACTTAGCTTTTGACAGCTTTGTAGGCACAGCTCCAGAACT  
CCTGGAATGCCAGTAGAAGGAAGCCTGCTTTATCCACAAAAGAACAATCAGCTTTAAGCATGATAATG  
CAGGAGTTTTCATGCCTACAACCTTACCAAAGCCAGCACCAGACAATTTTTCACCTTCTGGGATAGATCC  
AACTATTGCTCCAGAACAGAAGGTCAAGACTGATAGTCTAAGAGAACCA~~TAA~~

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_027128
Insert Size:	822 bp



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<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_027128.2</a> , <a href="#">NP_081404.2</a>
<b>RefSeq Size:</b>	873 bp
<b>RefSeq ORF:</b>	822 bp
<b>Locus ID:</b>	69592
<b>UniProt ID:</b>	<a href="#">A1E960</a>
<b>Cytogenetics:</b>	5 43.56 cM
<b>Gene Summary:</b>	<p>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]</p>