

Product datasheet for **SC307196**

ODAPH (NM_178497) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ODAPH
Synonyms:	AI2A4; C4orf26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307196 representing NM_178497. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCGCAGACACTGCTTCTCTACTGGTTACTGGTATGCTGGTTGGTGGTAAGTGTGGCAGAAGGA
CAAGAAGAGGTATTTACGCCTCCTGGAGATTCAAAAATAATGCGGACGCTACCGACTGCCAGATCTTT
ACACTACCCCTCCACCTGCCCGAGGAGTCCGGTCACAAGGGCCAGCCCATCACAAGACACCCAGG
TGTCCTTCCATTTTTTCCACGAAGGCCAGAATCCATTTAGGTTTCCAAACAGACCTTTCGTCCCT
TCAAGGTGAACCAACCGTTTTCCATTCCAGCCATTTATTGGCCACACCGTTACCTTACTTATAGGTAT
TTCCCCAGAAGAAGACTCCAGAGAGGAAGCTCATCTGAGGAAAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

ACCN: NM_178497

Insert Size: 393 bp

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).



OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_178497.3</u>
RefSeq Size:	1882 bp
RefSeq ORF:	393 bp
Locus ID:	152816
UniProt ID:	<u>Q17RF5</u>
Cytogenetics:	4q21.1
MW:	15.6 kDa
Gene Summary:	<p>Dental enamel forms the outer cap of teeth and is the hardest substance found in vertebrates. This gene is thought to encode an extracellular matrix acidic phosphoprotein that has a function in enamel mineralization during amelogenesis. Mutations in this gene are associated with recessive hypomineralized amelogenesis imperfecta. [provided by RefSeq, Oct 2012]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon that results in a frameshift in the central and subsequent coding region, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.</p>