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Product datasheet for SC333422

ODAPH (NM_001257072) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ODAPH (NM_001257072) Human Untagged Clone
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:	>SC333422 representing NM_001257072. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCTCGCAGACACTGCTTCTCCTACTGGTTACTGGTATGCTGGTTGGTGGTAACTGTGGCAGAAGGA CAAGAAGAGGTATTTACGCCTCCTGGAGATTCACAAAATAATGCGGACGCTACCGACTGCCAGATCTTT ACACTCACCCCTCCACCTGCCCCGAGGAGTCCGGTCACAAGGGCCCAGCCCATCACAAAGACACCCAGG TATTTCCCCAGAAGAAGACTCCAGAGAGGAAGCTCATCTGAGGAAAGCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001257072
Insert Size:	258 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).
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).

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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:	NM_001257072.1
RefSeq Size:	1747 bp
RefSeq ORF:	258 bp
Locus ID:	152816
UniProt ID:	Q17RF5
Cytogenetics:	4q21.1
MW:	9.7 kDa
Gene Summary:	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] Transcript Variant: This variant (3) lacks an alternate exon that results in a frameshift in the central and subsequent coding region, and it lacks a segment in the 3' coding region, compared to variant 1. The encoded isoform (3) has a distinct C-terminus and is shorter than isoform 1.