

Product datasheet for RN216076

Amelx (NM_001271074) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amelx (NM_001271074) Rat Untagged Clone
Tag: Tag Free
Symbol: Amelx
Synonyms: Amel; LRAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216076 representing NM_001271074
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGACCTGGATCTTGTTCCTGCCTCCTGGGAGCAGCTTTTGCTATGCCCTACCACCTCATCCTG
GGAGCCCTGGTTATATCAACTTAAGCTATGAGGTGCTTACCCCTTGAAGTGGTACCAGAGCATGATAAG
GCAGCCGTATCCTTCTATGGTTACGAACCCATGGGTGGATGGCTGCACCACCAATCATCCTGTGCTG
TCTCAACAGCATCCCCGAGTCACACCCTTCAGCCTCATCACCACCTCCCAGTGGTGCCAGCTCAACAGC
CCGTGGCCCCCAGCAACCAATGATGCCAGTTCCTGGCCACCACTCCATGACTCCAACCCAACACCATCA
GCCAAACATCCCTCCATCCGCCAGCAGCCCTTCCAGCAGCCCTTCCAGCCCCAGGCCATTCCACCCCGAG
TCTCATCAGCCCATGCAGCCCCAGTCACCTCTGCATCCCATGCAGCCCCCTGGCACCACAGCCACCTCTGC
CTCCACTGTTCTCCATGCAGCCCTGTCCCCATTCTTCTGAGCTGCCTCTGGAAGCTTGGCCAGCGAC
AGACAAGACCAAGCGGGAAGAAGTGGCATTTCCTATGAAGTGGTACCAGGGCACGGCAAGGCATCCG
CTTAACATGAAAACCAACAGAAAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271074
Insert Size: 660 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001271074.1</u> , <u>NP_001258003.1</u>
RefSeq Size:	808 bp
RefSeq ORF:	660 bp
Locus ID:	29160
UniProt ID:	<u>P63278</u>
Cytogenetics:	Xq13
Gene Summary:	<p>may play a role in mineralization of tooth enamel matrix [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>