

Product datasheet for **RN216009**

Amelx (NM_001271077) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amelx (NM_001271077) 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: >RN216009 representing NM_001271077
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCTGGATCTTGTTCCTGCCTCCTGGGAGCAGCTTTTGCTATGCCCTACCACCTCATCCTG
GGAGCCCTGGTTATATCAACTTAAGCTATGAGGTGCTTACCCCTTGAAGTGGTACCAGAGCATGATAAG
GCAGCCGTATCCTTCCTATGGTTACGAACCCATGGGTGGATGGCTGCACCACCAAATCATCCTGTGCTG
TCTCAACAGCATCCCCGAGTCACACCCTTCAGCCTCATCACCACCTCCCAGTGGTGCCAGCTCAACAGC
CCGTGGCCCCCAGCAACCAATGATGCCAGTTCCTGGCCACCACTCCATGACTCCAACCCAAACCATCA
GCCAAACATCCCTCCATCCGCCAGCAGCCCTCCAGCAGCCCTCCAGCCCCAGGCCATTCCACCCCGAG
TCTCATCAGCCCATGCAGCCCCAGTCACCTCTGCATCCCATGCAGCCCTGGCACCACAGCCACCTCTGC
CTCCACTGTTCTCCATGCAGCCCTGTCCCCATTCTTCTGAGCTGCCTCTGGAAGCTTGGCCAGCGAC
AGACAAGACCAAGCGGGAAGAAGTGGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271077
Insert Size: 591 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).



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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_001271077.1</u> , <u>NP_001258006.1</u>
RefSeq Size:	807 bp
RefSeq ORF:	591 bp
Locus ID:	29160
UniProt ID:	<u>P63278</u>
Cytogenetics:	Xq13
Gene Summary:	may play a role in mineralization of tooth enamel matrix [RGD, Feb 2006] Transcript Variant: This variant (6) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (6) has a shorter and distinct C-terminus compared to isoform 1.