

Product datasheet for **MC226061**

Amelx (NM_001290371) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amelx (NM_001290371) Mouse Untagged Clone
Tag: Tag Free
Symbol: Amelx
Synonyms: ALGN; Amel; Amg; AMGL; AMGX; LRAP; Rgsc888
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226061 representing NM_001290371
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGACCTGGATTTTGTTCCTGCCTCCTGGGAGCAGCTTTTGCTATGCCCTACCACCTCATCCTG
GAAGCCCTGGTTATATCAACTTAAGCTATGAGGTGCTTACCCCTTTGAAGTGGTACCAGAGCATGATAAG
GCAGCCGCATCCCCGAGTCACACCCTCAGCCTCATACCACCTCCCGTGGTCCAGCTCAACAGCCC
GTGGCCCCCAGCAACCAATGATGCCAGTTCCTGGCCACCACTCCATGACTCCAACCCAACACCATCAGC
CAAACATCCCTCCATCCGCCAGCAGCCCTCCAGCAGCCCTCCAGCCCCAGGCCATTCCACCCAGTC
TCATCAGCCCATGCAGCCCCAGTCACCTCTGCATCCCATGCAGCCCTGGCACCACAGCCACCTCTGCCT
CCACTGTTCTCCATGCAGCCCCGTCCCCATTCTTCTGAGCTGCCTCTGGAAGCTTGGCCAGCGACAG
ACAAGACCAAGCGGAAGAAGTGGATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290371
Insert Size: 519 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_001290371.1</u> , <u>NP_001277300.1</u>
RefSeq Size:	752 bp
RefSeq ORF:	519 bp
Locus ID:	11704
UniProt ID:	<u>P63277</u>
Cytogenetics:	X 78.95 cM
Gene Summary:	<p>Plays a role in the biomineralization of teeth. Seems to regulate the formation of crystallites during the secretory stage of tooth enamel development. Thought to play a major role in the structural organization and mineralization of developing enamel.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains multiple differences, compared to variant 1, including using an alternate 3' terminal exon. The encoded isoform (3) is shorter than isoform 1 and has a distinct C-terminus.</p>