

Product datasheet for **RN215797**

Amelx (NM_001271075) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amelx (NM_001271075) 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: >RN215797 representing NM_001271075
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGACCTGGATCTTGTTCCTGCCTCCTGGGAGCAGCTTTTGCTATGCCCTACCACCTCATCTG
GGAGCCCTGGTTATATCAACTTAAGCTATGAGGTGCTTACCCCTTGAAGTGGTACCAGAGCATGATAAG
GCAGCCGCCCTGTCCCAATTCTCCTGAGCTGCCTCTGGAAGCTTGGCCAGCGACAGACAAGACCAAG
CGGGAAGAAGTGGCATTCTCCTATGAAGTGGTACCAGGCAAGGCATCCGCTAACATGGAAA
CCACAACAGAAAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001271075
Insert Size: 297 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: 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_001271075.1, NP_001258004.1</u>
RefSeq Size:	445 bp
RefSeq ORF:	297 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 (3) uses an alternate in-frame splice site at the 5' end of an exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.