

Product datasheet for **RN200603**

Amelx (NM_019154) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amelx (NM_019154) Rat Untagged Clone
Tag: Tag Free
Symbol: Amelx
Synonyms: Amel; LRAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN200603 representing NM_019154
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCTGGATCTTGTGGCTGCCTCCTGGGAGCAGCTTTTGCTATGCCCTACCACCTCATCCTG
GGAGCCCTGGTTATCAACTTAAGCTATGAGAAGTCACATTCTCAGGCTATCAATACTGACAGGACTGC
ATTAGTGCTTACCCCTTGAAGTGGTACCAGAGCATGATAAGGCAGCCGTATCCTTCTATGGTTACGAA
CCCATGGGTGGATGGCTGCACCACCAAATCATCCCTGTGCTGTCTCAACAGCATCCCCGAGTCACACCC
TTCAGCCTCATCACACCTCCCAGTGGTCCAGCTCAACAGCCCGTGGCCCCCAGCAACCAATGATGCC
AGTTCTGGCCACCACTCCATGACTCCAACCAACACCATCAGCCAAACATCCCTCCATCCGCCAGCAG
CCCTTCCAGCAGCCCTTCCAGCCCCAGGCCATTCCACCCAGTCTCATCAGCCATGCAGCCCCAGTCAC
CTCTGCATCCCATGCAGCCCCCTGGCACCACAGCCACCTCTGCCTCCACTGTTCTCCATGCAGCCCCGTG
CCCCATTTCTCTGAGCTGCCTCTGGAAGCTTGGCCAGCGACAGACAAGACCAAGCGGGAAGAAGTGGAT
TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019154
Insert Size: 633 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).
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_019154.1</u> , <u>NP_062027.1</u>
RefSeq Size:	812 bp
RefSeq ORF:	633 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 (5) contains an alternate in-frame exon and differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (5) contains an alternate internal segment and has a shorter and distinct C-terminus compared to isoform 1.