

## Product datasheet for **RN215738**

### Amelx (NM\_001271078) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Amelx (NM\_001271078) 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:** >RN215738 representing NM\_001271078  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGACCTGGATCTTGTGGCTGCCTCCTGGGAGCAGCTTTTGCTATGCCCTACCACCTCATCCTG  
GGAGCCCTGGTTATCAACTTAAGCTATGAGGTGCTTACCCCTTGAAGTGTACCAGAGCATGATAAG  
GCAGCCGCCCTGTCCCCATTCTCTGAGCTGCCTCTGGAAGCTTGGCCAGCGACAGACAAGACCAAG  
CGGGAAGAAGTGGATTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271078  
**Insert Size:** 228 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.



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001271078.1, NP_001258007.1</u>
<b>RefSeq Size:</b>	444 bp
<b>RefSeq ORF:</b>	228 bp
<b>Locus ID:</b>	29160
<b>UniProt ID:</b>	<u>P63278</u>
<b>Cytogenetics:</b>	Xq13
<b>Gene Summary:</b>	may play a role in mineralization of tooth enamel matrix [RGD, Feb 2006] Transcript Variant: This variant (7) uses an alternate in-frame splice site at the 5' end of an exon and differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (7) lacks an alternate internal segment and has a shorter and distinct C-terminus compared to isoform 1.