

Product datasheet for **MC204837**

Amelx (NM_001081978) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amelx (NM_001081978) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Amelx
Synonyms:	ALGN; Amel; Amg; AMGL; AMGX; LRAP; Rgsc888
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC059090 GAAACTCACTGAGCATACACTCAAAGAACCATCAAGAAATGGGGACCTGGATTTTGTTCCTGCCTCCT GGGAGCAGCTTTTCTATGCCCTACCACCTCATCCTGGAAGCCCTGGTTATATCAACTTAAGCTATGAG GTGCTTACCCCTTTGAAGTGGTACCAGAGCATGATAAGGCAGCCGTATCCTTCTATGGTTACGAACCCA TGGGTGGATGGCTGCACCACCAAATCATCCCTGTGCTGTCTCAACAGCATCCCCCGAGTCACACCCTTCA GCCTCATCACCACCTTCCCGTGGTGCCAGCTCAACAGCCCGTGGCCCCCAGCAACCAATGATGCCAGTT CCTGGCCACCACTCCATGACTCCAACCCAACCATCAGCCAAACATCCCTCCATCCGCCAGCAGCCCT TCCAGCAGCCCTTCCAGCCCCAGGCCATTCCACCCAGTCTCATCAGCCCATGCAGCCCCAGTCACCTCT GCATCCCATGCAGCCCCGGCACCACAGCCACCTCGCCTCCACTGTTCTCCATGCAGCCCCGTGCCCC ATTCTTCTGAGCTGCCTCTGGAAGCTTGCCAGCGACAGACAAGACCAAGCGGGAAGAAGTGGCGTTTT CTCCTATGAAGTGGTACCAGGGCATGACAAGGCATCCGCTTAACATGGAAGCACAACAGAAAAATGATT CCAACCACTCTCCTACCTTCCCAGAACATAATGGCATGTAGTAGTGTTCATATTGCCTTAATAAAATTC TCATCGGCTTAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_001081978
Insert Size:	660 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).
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).



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Reconstitution Method:

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: [BC059090](#), [AAH59090](#)

RefSeq Size: 798 bp

RefSeq ORF: 660 bp

Locus ID: 11704

UniProt ID: [P63277](#)

Cytogenetics: X 78.95 cM

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).