

Product datasheet for **SC308653**

Amelotin (AMTN) (NM_212557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amelotin (AMTN) (NM_212557) Human Untagged Clone
Tag:	Tag Free
Symbol:	Amelotin
Synonyms:	A13B; UNQ689
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_212557 edited TTGAGAAACCAACTGGACCTTGAGTATTGTACATTTTGCCTCGTGGACCCAAAGGTAGCA ATTTGAAACATGAGGAGTACGATTCTACTGTTTTGTCTTCTAGGATCAACTCGGTCATTA CCACAGCTCAAACCTGCTTTGGGACTCCCTCCCACAAAACCTGGCTCCGGATCAGGGAACA CTACCAAACCAACAGCAGTCAAATCAGGTCTTTCCTTCTTAAAGTCTGATACCATTAACA CAGATGCTCACACTGGGGCCAGATCTGCATCTGTAAATCCTGCTGCAGGAATGACACCT GGTACCCAGACCCACCCATTGACCCTGGGAGGTTGAATGTACAACAGCAACTGCACCCA CATGTGTTACCAATTTTGTGACACAACCTGGAGCCCAGGGCACTATCCTAAGCTCAGAG GAATTGCCACAAATCTTCAGGAGCCTCATCATCCATTCTTGTTCCCGGGAGGCATCCTG CCCACCAGTCAGGCAGGGGCTAATCCAGATGTCCAGGATGGAAGCCTTCCAGCAGGAGGA GCAGGTGTAATCCTGCCACCCAGGGAACCCAGCAGGCCGCCTCCAACTCCCAGTGCC ACAGATGACGACTTTGAGTGCACCCCTGCAGGCATCCAAAGGAGCACACATGCCATT GAGGAAGCCACCACAGAATCAGCAAATGGAATTGAGTAAGCTGTTTCAAATTTTTTCAAC TAAGCTGCCTCGAATTTGGTGATACATG
Restriction Sites:	Please inquire
ACCN:	NM_212557
Insert Size:	700 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to the protein associated with NM_212557.1.



[View online »](#)

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_212557.1, NP_997722.1</u>
RefSeq Size:	1073 bp
RefSeq ORF:	630 bp
Locus ID:	401138
UniProt ID:	<u>Q6UX39</u>
Cytogenetics:	4q13.3
Gene Summary:	<p>The mineralized portions of teeth, the dentin and enamel, are formed by mesenchyme-derived odontoblasts and epithelium-derived ameloblasts, respectively. As ameloblasts differentiate, they deposit specific proteins necessary for enamel formation, including amelogenin (AMELX; MIM 300391), enamelin (ENAM; MIM 606585), and ameloblastin (AMBN; MIM 601259), in the organic enamel matrix. Amelotin is specifically expressed in maturation-stage ameloblasts (Iwasaki et al., 2005 [PubMed 16304441]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>