

Product datasheet for **MC227619**

Ambn (NM_001303431) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ambn (NM_001303431) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ambn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227619 representing NM_001303431 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGCATCTAAGATTCCACTTTTCAAATGAAGGCCTGATCCTGTCTGTCCCTAGTAAAAATGA
GCCTCGCGTGCCGGCATTTCCTCAACAACCTGGGGCTCAAGGCATGGCACCTCCTGGCATGGCTAGTTT
GAGCCTTGAGACAATGAGACAGTTGGAAGCTTGCAAGGACTCAACGCATTTCTCAGTATTCTAGACTT
GGCTTTGGAAAAGCACTTAATAGTTTATGGTTGCACGGACTTCTCCACCGCATAACTCTTCCCATGGA
TAGGACCAAGGGAACATGAAACCCAGCAGTATGAATATTCTTTGCCTGTGCATCCCCACCTCTCCCATC
ACAGCCATCCTTGCAAGCCTCACCAGCCAGGACTGAAACCCCTTCCAGCCCACTGCTGCAACCGGTGTC
CAGGTCACACCCCAAGCCAGGGCCTCAGCCTCCAATGCACCCTGGACAGCTGCCCTTGCAAGGAAGGAG
AGCTGATAGCACCAGATGAGCCGAGGTGGCACCATCCGAAAACCCACCAACACCTGAGGTACCAATAAT
GGATTTTGCTGATCCACAATTTCAACCGTGTTCAGATCGCCCGTTCAATATCTCGGGACCAATGGCA
CACAAACAAGCATCCGCTTTTTACCCAGGAATGTTTTACATGTCTTATGGAGCAAACCAATTGAATGCTC
TGCCAGAATTGGCTTCATGAGTTGAGAAAGAAATGCCTGGAGAAAGAGGAAGTCCCATGGCCTATGGAAC
TCTGTTCCCAAGATTTGGAGGCTTCAGGCAAAACCTTAGGAGACTGAATCAGAATTCACCCAAGGGAGGA
GACTTTACTGTGGAAGTAGATTCCCAAGTATCTGTTACCAAGGCCCTGAAAAAGGAGAAGTCCAGAAG
GCTCTCCACTGCAAGAGGCCAACCCAGGCAAAACGGGAAAACCCCGCTCTCCTTTACAAAATGGCACCTGG
GGCCATGCAGGACTTCTTGCTTTCCCAATGACCACATCCCCAGTATGGCAAGGGGTCCTGCAGGGCAA
AGACTCCTTGAGTACCCCTGCAGCTGCAGACCCACTGATCACCCTGAATTAGCAGAAGTTTATGAAA
CCTATGGTGCTGATGTTACCACACCCCTGGGTGATGGAGAAGCAACCATGGATATCACCATGTCCCAGA
CACTCAGCAGCCACTGCTACCTGGAAACAAAGTGACCCAGCCCGAGGTGCACAACGCATGGCGTTTCCAA
GAGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001303431
Insert Size:	1269 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_001303431.1</u> , <u>NP_001290360.1</u>
RefSeq Size:	1919 bp
RefSeq ORF:	1269 bp
Locus ID:	11698
Cytogenetics:	5 43.63 cM
Gene Summary:	<p>This gene encodes an extracellular matrix glycoprotein that is involved in the formation of dental enamel. Mice lacking the encoded protein fail to undergo normal ameloblast differentiation and develop enamel. Mice overproducing the product of this gene develop thinner and more porous enamel, with disrupted rod patterns and abnormal crystallites. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>