

Product datasheet for MC208128

Ambn (NM_009664) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ambn (NM_009664) 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: >MC208128 representing NM_009664
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGCATCTAAGATTCCACTTTTCAAATGAAGGCCTGATCCTGTTCTGTCCCTAGTAAAAATGA
 GCCTCGCGTGCCGGCATTTCCTCAACAACCTGGGGCTCAAGGCATGGCACCTCCTGGCATGGCTAGTTT
 GAGCCTTGAGACAATGAGACAGTTGGAAGCTTGCAAGGACTCAACGCCTTTCTCAGTATTCTAGACTT
 GGCTTTGGAAAAGCACTTAATAGTTTATGGTTGCACGGACTTCTCCACCGCATAACTCTTTCCCATGGA
 TAGGACCAAGGGAACATGAAACCCAGCAGCCATCCTTGCAGCCTCACCAGCCAGGACTGAAACCTTCTCT
 CCAGCCCACTGCTGCAACCGGTGTCCAGGTCACACCCAGAACCCAGGGCCTCAGCCTCCAATGCACCT
 GGACAGCTGCCCTTGAGGAAGGAGAGCTGATAGCACCAGATGAGCCGCAGGTGGCACCATCCGAAAACC
 CACCAACACCTGAGGTACCAATAATGGATTTTGTGATCCACAATTTCCAACCGTGTCCAGATCGCCCG
 TTCAATATCTCGGGACCAATGGCACACAACAAGCATCCGCTTTTTACCAGGAATGTTTTACATGTCT
 TATGGAGCAAACCAATTGAATGCTCCTGCCAGAATTGGCTTCATGAGTTCAGAAGAAATGCCTGGAGAAA
 GAGGAAGTCCCATGGCCTATGGAATCTGTTCCCAAGATTTGGAGGCTTCAGGCAAACCTTAGGAGACT
 GAATCAGAATCACCAAGGGAGGAGACTTTACTGTGGAAGTAGATTCCCAAGTATCTGTTACCAAGGC
 CCTGAAAAGGAGAAGGTCCAGAAGGCTCTCCACTGCAAGAGGCCAACCCAGGCAAACCGGAAAACCCCG
 CTCTCCTTTACAAAATGGCACCTGGGGCCATGCAGGACTTCTTGCTTTCCCAATGACCACATCCCCAG
 TATGGCAAGGGTCTGCAGGGCAAAGACTCCTTGGAGTCAACCCCTGCAGCTGCAGACCCACTGATCACC
 CCTGAATTAGCAGAAGTTATGAAACCTATGGTGTGATGTTACCACACCCCTGGGTGATGGAGAAGCAA
 CCATGGATATCACCATGTCCCGACACTCAGCAGCCACTGCTACCTGAAAACAAAGTGCACCAGCCCCA
 GGTGCACAACGCATGGCGTTTCCAAGAGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_009664
Insert Size:	1224 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).
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_009664.2</u> , <u>NP_033794.1</u>
RefSeq Size:	1874 bp
RefSeq ORF:	1224 bp
Locus ID:	11698
UniProt ID:	<u>O55189</u>
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 (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p> <p>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>