

## Product datasheet for **MC218136**

### Ambn (BC087927) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ambn (BC087927) 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:	>BC087927 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAGCATCTAAGATTCCACTTTTCAAATGAAGGCCTGATCCTGTCTCCTAGTAAAAATGA  
GCCTCGCGTGCCGGCATTTCCTCAACAACCTGGGGCTCAAGGCATGGCACCTCCTGGCATGGCTAGTTT  
GAGCCTTGAGACAATGAGACAGTTGGGAAGCTTGCAAGGACTCAACGCACCTTTCTCAGTATTCTAGACTT  
GGCTTTGGAAAAGCACTTAATAGTTTATGGTTGCACGGACTTCTCCACCGCATAACTCTTTCCCATGGA  
TAGGACCAAGGGAACATGAAACCCAGCAGTATGAATATTCTTTGCCTGTGCATCCCCACCTCTCCCATC  
ACAGCCATCCTTGCAAGCCTCACCAGCCAGGACTGAAACCCCTTCCAGCCCACTGCTGCAACCGGTGTC  
CAGGTCACACCCCAAGCCAGGGCCTCAGCCTCCAATGCACCCTGGACAGCTGCCCTTGCAAGGAAGGAG  
AGCTGATAGCACCAGATGAGCCGAGGTGGCACCATCCGAAAACCCACCAACACCTGAGGTACCAATAAT  
GGATTTTGTGATCCACAATTTCAACCGTGTTCAGATCGCCCGTTCAATATCTCGGGACCAATGGCA  
CACAAACAAGCATCCGCTTTTTACCCAGGAATGTTTTACATGTCTTATGGAGCAAACCAATTGAATGCTC  
CTGCCAGAATTGGCTTCATGAGTTCAGAAGAAATGCCTGGAGAAAGAGGAAGTCCCATGGCCTATGGAAC  
TCTGTTCCCAAGATTTGGAGGCTTCAGGCAAAACCTTAGGAGACTGAATCAGAATCACCCAAGGGAGGA  
GACTTTACTGTGGAAGTAGATTCCCAAGTATCTGTTACCAAGGCCCTGAAAAAGGAGAAGTCCAGAAG  
GCTCTCCACTGCAAGAGGCCAACCCAGGCAAAACGGGAAAACCCCGCTCTCCTTTCAAAAATGGCACCTGG  
GGCCATGCAGGACTTCTTGCTTTCCCAATGACCACATCCCCAGTATGGCAAGGGTCTGCAGGGCAA  
AGACTCCTTGAGTACCCTGCAGCTGCAGACCCACTGATCACCCTGAATTAGCAGAAGTTTATGAAA  
CCTATGGTGCTGATGTTACCACACCCCTGGGTGATGGAGAAGCAACCATGGATATCACCATGTCCCAGA  
CACTCAGCAGCCACTGCTACCTGAAAACAAAGTGACCCAGCCCGAGGTGCACAACGCATGGCGTTTCCAA  
GAGCCCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	BC087927
<b>Insert Size:</b>	1269 bp
<b>OTI Disclaimer:</b>	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).
<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><a href="#">BC087927</a></u> , <u><a href="#">AAH87927</a></u>
<b>RefSeq Size:</b>	1602 bp
<b>RefSeq ORF:</b>	1268 bp
<b>Locus ID:</b>	11698
<b>Cytogenetics:</b>	5 43.63 cM
<b>Gene Summary:</b>	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]