

Product datasheet for **RR202272**

Ambn (NM_012900) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ambn (NM_012900) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ambn
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR202272 representing NM_012900
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCAGCATCTAAGATTCCACTTTTCAAATGAAGGCGCTGCTCCTGTTCTGTCCCTAGTAAAAATGA
 GCCTCGCGTGGCGCATTTCTCAACAACCTGGGGCTCAAGGCATGGCACCTCCTGGCATGGCTAGTTT
 GAGCCTTGAGACAATGAGACAGTTGGGAAGCTTGCAAGGGCTCAACGCACCTTTCTCAGTATTCTAGACTT
 GGCTTTGGAAAAGCACTTAATAGTTTATGGTTGCATGGACTCCTCCACCGCATAATTCTTTCCCATGGA
 TAGGACCAAGGGAACATGAAACCAACAGTATGAATATTCTTTGCCTGTGCATCCCCACCTCTCCCATC
 ACAGCCATCCTTGCAAGCCTCACCAGCCAGGACTGAAACCTTCTCCAGCCACTGCTGCAACCGGTGTC
 CAGGTCACACCCAGAGCCAGGCGCTCATCTCCAATGCACCCTGGACAGCTGCCCTTGCAAGGAGGAG
 AGCTGATAGCACCAGATGAGCCACAGGTGGCGCCATCAGAGAACCACCAACACCCGAGGTACCAATAAT
 GGATTTTGGCGATCCACAATTCCAACAGTGTTCAGATCGCCATTGCTGTCTCGGGACCAATGGCA
 CACAACAAAGTACCCACTTTTTACCCAGGAATGTTTTACATGTCTTATGGAGCAAACCAATTGAATGCTC
 CTGCCAGAATCGGCTTCATGAGTTCAGAAGAAATGCCTGGAGAAAGAGGAAGTCCCATGGCTACGGAAC
 TCTGTTCCAGGATATGGAGGCTTCAGGCAACCTTAGGGGACTGAATCAGAATCACCCAAGGGAGGA
 GACTTTACTGTGGAAGTAGATTCTCAGTGTCTGTAACAAAGGCGCTGAGAAAGGAGAGGGTCCAGAAG
 GCTCTCCACTGCAAGAGGCCAGCCAGACAAGGGCGAAAACCCGGCTCTCCTTTACAGATGGCCCCCGG
 GGCCATGCAGGACTTCTTGCTTTCCCAATGACCACATCCCAACATGGCAAGGGGTCCTGCAGGGCAA
 AGACTCCTCGGAGTACCCTGCAGCTGCAGACCCACTGATCACCCTGAATTAGCAGAAGTTTATGAAA
 CCTATGGTGTGATGTTACCACACCTTGGGGATGGAGAAGCAACCATGGATATCACCATGTCCCAGA
 CACTCAGCAGCCACCGATGCCTGAAAACAAAGTGCACCAGCCCCAGGTGCACAATGCATGGCGTTTCCAA
 GAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR202272 representing NM_012900
Red=Cloning site Green=Tags(s)

MSASKIPLFKMKGLLLFLSLVKMSLAVPAFPQQPGAQGMAPPGMASLSLETMRQLGSLQGLNALSQYSRL
 GFGKALNSLWLHGLLPPHNSFPWIGPREHETQQYEYSLPVHPPPLPSQPSLQPHQPGLKPFLQPTAATGV
 QVTPQKPGPHPPMHPGQLPLQEGELIAPDEPQVAPSENPTPEVPIMDFADPQFPTVFQIAHSLSRGPMA
 HNKVPTFYPGMFYMSYGANQLNAPARIGFMSSEEMPGERGSPMAYGTLFPGYGGFRQTLRGLNQNSPKGG
 DFTVEVDSVSVTKGPEKGEPEGSPLQEASPDKGENPALLSQMAPGAHAGLLAFPNDHIPNMARGPAGQ
 RLLGVTPAAADPLITPELAEVYETYGADVTTPLGDGEATMDITMSPDTQQPPMPGNKVHQPVHNAWRFG
 EP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

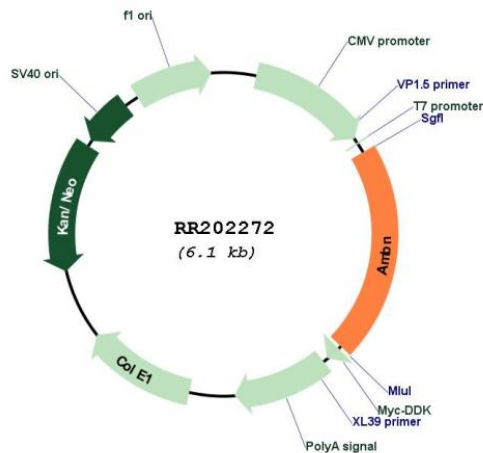
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_012900
ORF Size:	1266 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_012900.1 , NP_037032.1
RefSeq Size:	1913 bp
RefSeq ORF:	1269 bp
Locus ID:	25376
UniProt ID:	Q62840
Cytogenetics:	14p22
MW:	45.2 kDa
Gene Summary:	may act as a structural component of tooth enamel matrix [RGD, Feb 2006]