

Product datasheet for MC211186

Amtn (NM_027793) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amtn (NM_027793) Mouse Untagged Clone
Tag: Tag Free
Symbol: Amtn
Synonyms: 5430427O21Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211186 representing NM_027793
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGACCATGATTCTACTGCTTTGTCTTCTAGGATCAGCCCAGTCATTACCAAAGCAGCTTAACCTG
CTTCGGGAGTTCCTGCAACAAAACCGACTCCAGGTCAGGTGACCCCACTACCTCAACAGCAACCAATCA
GGTTTTTCCTCCATAAGTCTCATACCATTAACACAGCTGCTCACTCTGGGGTCAGACCTGCCGTTGTT
AACCTGCTGCTGGGCCCCACGGCGCACATACTCTCCCGTTCACCCTGGGACCACTGAATGGACAGCAAC
AGCTGCAACCGCAGATGTTACCCATTATTGTGGCACAACCTGGAGCTCAGGGTGCTCTCCTAAGCTCAGA
GGAAGTCCGTTAGCCTCCCAAATCTTCACAGGCCTCCTTATCCACCCCTTGTTCCCTGGAGCCATTCT
CCCTCTGGTCAGGCAGGCACTAAACCAGATGTGCAGAATGGAGTCCTTCTACAAGACAGGCAGGAGCGA
AAGCTGTCAACCAGGGAACCACTCCGGGCCATGTCAACTCCTGGTGTACAGATGATGACTATGA
GATGAGCACCCCTGCAGGCCTGCGAAGGGCCACACACCACGGAGGGAACCACCATAGATCCACCAAAT
AGAACTCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027793
Insert Size: 642 bp



[View online »](#)

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_027793.1</u> , <u>NP_082069.1</u>
RefSeq Size:	1022 bp
RefSeq ORF:	642 bp
Locus ID:	71421
UniProt ID:	<u>Q9D3J8</u>
Cytogenetics:	5 E1
Gene Summary:	Is a promoter of calcium phosphate mineralization, playing a critical role in the formation of the compact, mineralized, aprismatic enamel surface layer during the maturation stage of amelogenesis.[UniProtKB/Swiss-Prot Function]