

Product datasheet for MC216178

Amn (NM_033603) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: Amn

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PSI00001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC216178 representing NM_033603
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTGCTCTGGGCCGGGTCTGCTGTGGCTGCAGCTCTGTGCAATGACTCGGGCCGCTACAACTTT
GGGTCCCCAATACCTCCTTCGATACTGCCTCAACTGGAACAGAACCGGACCCCGTGC CGGGAGATGC
GGTTCAAGTCCCGGCGGACAAGATGGTGTCTGGTACGAGACAGTCACGCCATCTCGGATATGCTC
CTGCCTCTGGACGGGGAGTTGGTCTCGGCCTCGGGAGCTGCACTCAGCGCTGCAGGAGGCGACTCGGACC
CAGCTTGTAACCTGGCGCCCGTGTCTTCCGCAATCCCGATCGCTTCTCTGGCTTGACCCGACCT
CTGGAGCTCCGGGACTCAGGCGCCCGGGCTCTTCTCCGTGGACGCCGAGCGCTGCCCTGCAGCTACGAC
GACGTCTCTTCCCGCGCATGGATCTTCCGCGTGGCGCTTGCGCCAGGCCCAACCCGGTGCAGGTTT
GCAGCGTCTCGGCAGTGGGCCAGAGCTTCTCGCGCAGCAGGACCTGACTGCTTCTGGCGTCCCGCGA
GGGCCGCTGCGCTTCCACGGGTGGGCGCGCTGAGAGTGGGTCCCAAGCTTGACCCGACGCGTGGGC
TGGCTCTGTGGCAACGCCGAGATGCTGCCGTGGATCTGCGCTCTCTGCTGCAGCCCTTGGCGGGCGCT
GTCCCCAGGCCGCTGCCAGGACCCCTACTGCCTCAAGGACAATGCTGTGACCTCTGCGGAGCTATCGT
GTGCTTGACCCACGACCCACATTTGACCTGGAGCGGTACCGAGCGCGGTGCTGGACCTCTTCTGAAG
CAGCCCCAGTACCAGGGCTGCAGGTGGCTGTGTCCAAGGTGCTGCGCAGCGCCACACCGAGATCCAGG
TGGTGTGGTGGAGACCGAGCAGCGACCGGCGCGGGGAGCTGGGCCACGCGCTCTCCAGGACGC
GGTGGCACAAGGCAGCGTGTCTCGGTATCGTGTGCGCGACCTGCGGCAAGCTCCGCAAGCCTATGACGGCA
GACTCAGAGCTGAATCAGAGCTCGTCCGGTGCCGGGCTGGCGGGCGCGTGGCGGCCTTGGTGTCTGTG
CTCTGTGGGACCGTGTCTTCTGCTGCACCGCAGCGGAAGGCTCAGGTGGAGAAGGCATGAAGACGC
TGAGCCCGTATCGGCTGGGCTGCCGCTGGGTTTCCGAAATCCGATTTTCGACGCGATTGTCTTCAAGCAG
CAGCCTTCGGTCGAGCTACCTGACTCAGCTCAGAAGGTGGACATCTTGACATTGATACCAAGTTCCGGT
GCTTCGTTAACCCACTCTTGTGTTGGGAGGCAGAGGCAGAGGCTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-RsrII
ACCN:	NM_033603
Insert Size:	1377 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_033603.3</u> , <u>NP_291081.2</u>
RefSeq Size:	1700 bp
RefSeq ORF:	1377 bp
Locus ID:	93835
UniProt ID:	<u>Q99JB7</u>
Cytogenetics:	12 60.94 cM
Gene Summary:	This gene encodes a type I transmembrane protein. The encoded protein is an essential component of the cubulin receptor complex which is thought to play a role in coordinating growth and patterning of the embryo. This protein is thought to modulate a bone morphogenetic protein (BMP) signaling pathway. A homoygous mutation in the mouse gene results in the lack of an amnion in embryos. Mutations in the human gene are associated with Megaloblastic Anemia-1. [provided by RefSeq, Sep 2015]