

Product datasheet for **MC229140**

Adam19 (NM_001291890) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam19 (NM_001291890) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam19
Synonyms:	AL024287; MADDAM; Mlt; Mltnb; MTLNB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC229140 representing NM_001291890
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAGAACTCACACAGTTCCTGTCCACACCAATGGAGGAAGCCAAGAAGGTAGCCCTCCGCTACAGC
 ATGAACTCATAATACCTCAGTGGCGGACTTCAGAAAGCCCTGGGAGAGGAAAGCATCCACTCAGAGCAGA
 GCTCAGGGTCATGGCTGAAGGGCGAGAGCTGATCCTAGACCTGGAGAAGAACGAGCACCTTTTTGCTCCA
 GCCTACACAGAAACCTGTACTACTGCAAGTGGCAATCCTCAAACCAGCACGCTGAAGTCTGAGGATCACT
 GCTTTTACCACGGGACTGTGAGGGACGTGGATGAGTCCAGTGTACGCTCAGCACCTGCCGGGAATTAG
 AGGACTGATTATAGTGAAGTAACCTCAGCTACATCATCGAGCCGTCCTAACAGCGACAGCCAACAC
 CGTATTTACAGATCCGAACATCTCAGCTGCCCGGGGAAGTGTGGTTCGAGCACTCCGGGCCACCT
 CGAAGGACTGGGCCCTTCACTTTACACATCAGACCAAAAAGCAACCTCGCAGAATGAAACGGGAAGATCT
 AACTCTATGAAGTACGTGGAGCTTTACCTGGTGGCTGATTATGCAGAGTTTCAGAAGAATCGACATGAC
 CAGGATGCCACCAACGCAAGCTCATGGAGATTGCCAACTATGTTGATAAGTTTTACCGCTCCCTGAACA
 TCCGAATTGCACTTGTCCGCTTGGAGGTGTGGACGCATGGGGATAAGTGTGAAGTTTCAGAGAATCCCTA
 CTCTACCTCTGGTCTTTCTTAGTTGGAGGCGCAAGCTGCTTGCTCAGAAGAGCCATGACAATGCTCAG
 CTAATCACGGGCAGGTCCTTCCAAGGCACCACCTGGCTGGCCCCCTCATGGCCATGTGCTCCGTGT
 ACCAGTCTGGAGGAGTTAGCATGGACCCTCCGAGAATGCCATTGGTGTAGCCTCCACTGTGGCCATGA
 GATTGGCCACAACCTTTGGCATGAGCCATGATTCTGCACACTGCTGTTCTGCCAGTGCAGCCGATGGCGGC
 TGCATCATGGCCGCCACCAGGGCACCTTTCCCAAAGTGTTCAGTTGGTGTAAACAGGAAGGAGCTGG
 ACAGGTATCTGCAGACAGGAGGAGGGATGTGCTCTCCAACATGCCGGACACTAGGACGCTGTATGGAGG
 CCGGAGGTGTGGCAACGGGTACCTGGAAGACGGTGAAGAATGTGACTGTGGAGAAGAGGGAATGTAAG
 AACCTTGTGCAATGCCTCCAACCTGCACTCTGAAGGAAGGGGCAGAGTGTGCCATGGTTCCTGCTGCC
 ACCAGTGAAGCTGGTGGCTCCTGGAACCCAGTGTGGGAGCAGGTTCCGCAATGTGACCTCCCCGAGTT
 CTGACCCGGCAAGTCTCCCACTGCCCACTAATTATCAGATGGATGGCACCCCTGCGAGGGTGGC
 CAGGCCTACTGCTACAACGGCATGTGCCTCACTTACCAGGAACAGTGCACGACGCTGTGGGGACCTGGAG
 CCCGGCTGCCCTCGATCTTTGCTTTGAGAGGGTGAATGCTGCTGGTGCACCTATGAAACTGTGGCAA
 GGGCTTGAATGGCAATACAGGAAGTGCAGTCCCAGGGATGCCAAGTGTGGGAAGATTCACTGCCAGAGC
 ACCCAGGCCCGGCCCTGGAATCCAACGCAGTATCTATTGACACCACCTCACCTTGAACGGGAGGCGGA
 TCCACTGTCCGGGCACCCACGTCTACCGGGTCCCTGAGGAGGAGGAAGGGGAAGGTGACATGCTGGACCC
 AGGGCTGGTGTGACTGGAACCAAGTGTGGCCACAACCATATTTGCTTCGAGGGGCACTGCAAGAACACC
 TCCTTCTTTGAGACGGAAGGCTGTGGGAAAAAGTGAATGGCCACGGGGTCTGCAACAACAAGAAGT
 GTCATTGCTTCCCTGGCTGGTCTCCACCTTTCTGTAACACCCCGGAGATGGTGGCAGCGTGCACAGTGG
 TCCTTTGCCCCCTAAGAGTGTGGGTCCCGTGTGCTGGGGTGTTCAGCTCTCTTCGTGTTGGCAGTT
 CTGGTGTACTGTGCTACTGCTACAGACAGAGCCAAAACCTGGGCAAACCTCGGCTCTCCCTTTCAAGC
 TGCGGCATCAGTTCAGTTGTCCTTCAAGGTATCTCAGAGTGGTGAACCTGGCCATGCCAACCAACTTT
 CAAGTTGCAGACCCCGAGGCAAGCGAAAGGTGACTAACACCCCTGAATCCCTCCGGAAGCCGTCAC
 CCCCCTCCCGGGCCCCCTCCAGACTACCTGCGCGTTGAATCGCCACCTGCACCATTGCCGCACATCTGA
 ACAGGGCTGCTGGGAGCTCCCCAGAAGCTGGGGTCTGAATAGAAAAGAAAGGAGTCAAGCAGGAGGCTCC
 CCCAAGCCGACCCATGCCCTGCACCTAACTGCCTACTGTCCAGGACTTCTCCAGGCCTCGACCACCT
 CAGAAGGCACTCCAGCCAATCCGGTGCAGGCCAAAGGACCGGTCCAGGTCAAGGACACCTCCCTGC
 TTCAGCCCCCTACTTCTGGTCTCAGCCCCCAGGCTCCAGCAGTGCCTGTTCCAAAGCTACCCGAGTA
 CCGATCACAGAGGTTGGAGCAATAATTAGCTCCAAGATCTAG

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001291890

Insert Size:	2703 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001291890.1, NP_001278819.1</u>
RefSeq Size:	6226 bp
RefSeq ORF:	2703 bp
Locus ID:	11492
Cytogenetics:	11 27.54 cM
Gene Summary:	<p>This gene encodes a cell surface glycoprotein and member of the ADAM (a disintegrin and metalloproteinase) family of endopeptidases. The encoded protein may play a role in the ectodomain shedding of neuregulin proteins. Homozygous knockout mice for this gene exhibit heart development defects and perinatal lethality. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that undergoes proteolytic processing to generate a mature protein product. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.</p>