

Product datasheet for **MR230652**

Adam19 (NM_001291891) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam19 (NM_001291891) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam19
Synonyms:	AL024287; MADDAM; Mlt; Mltnb; MTLNB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230652 representing NM_001291891
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCATGTGCTCCGTGTACCAGTCTGGAGGAGTTAGCATGGACCACTCCGAGAATGCCATTGGTGTAG
 CCTCCACTGTGGCCCATGAGATTGGCCACAACCTTTGGCATGAGCCATGATTCTGCACACTGCTGTCTGC
 CAGTGCAGCCGATGGCGCTGCATCATGGCCGCCACCAGGACCCCTTTCCCAAAAGTTCAGTTGG
 TGTAACAGGAAGGAGCTGGACAGGTATCTGCAGACAGGAGGAGGATGTGTCTCTCAACATGCCGGACA
 CTAGGACGCTGTATGGAGCCGGAGGTGTGGCAACGGGTACCTGGAAGACGGTGAAGAATGTGACTGTGG
 AGAAGAGGAGGAATGTAAGAACCCTTGTCGAATGCCTCCAACCTGCACTCTGAAGGAAGGGCAGAGTGT
 GCCCATGGTTCCTGCTGCCACCAGTGAAGCTGGTGGCTCCTGGAACCCAGTGTCCGGAGCAGGTTCCGGC
 AATGTGACCTCCCGAGTCTGCACCGCAAGTCTCCCACTGCCCACTAATTATCAGATGGATGG
 CACCCCTGCGAGGGTGGCCAGGCTACTGCTACAACGGCATGTGCCTCACTTACCAGGAACAGTCCAG
 CAGCTGTGGGACCTGGAGCCCGCCTGCCTCGATCTTTGCTTTGAGAGGGTGAATGCTGCTGGTGA
 CCTATGGAACTGTGGCAAGGGCTTGAATGGCCAATACAGGAAGTGCAGTCCCAGGGATGCCAAGTGTGG
 GAAGATTCAGTGCAGAGCACCCAGGCCCGCCCTGGAATCCAACGCAGTATCTATTGACACCACCATC
 ACCTTGAACGGGAGGCGGATCCACTGTCGGGGCACCCAGTCTACCGGGTCTGAGGAGGAGGAAGGGG
 AAGGTGACATGCTGGACCCAGGGCTGGTGTACTGGAACCAAGTGTGGCCACAACCATATTTGCTTCGA
 GGGCAGTGCAGGAACACCTCCTTTGAGACGGAAGGCTGTGGGAAAAGTGAATGGCCACGGGGTCT
 TGCAACAACAACAAGAACTGTCAATTGCTCCCTGGTGGTCTCCACCTTCTGTAACACCCCGGAGATG
 GTGGCAGCGTCGACAGTGGTCTTTGCCCTAAGAGTGTGGTCCCGTGCATCGTGGGGTGTTCAGC
 TCTCTTCGTGTTGGCAGTCTGGTGTACTGTGCTACTGCTACAGACAGAGCCACAACTGGGCAACCC
 TCGGCTCTCCCTTCAAGCTGCGGCATCAGTTCAGTTGTCCTTACGGTATCTCAGAGTGGTGAAGTGT
 GCCATGCCAACCAACTTTCAAGTTGCAGACCCCCAGGGCAAGCGAAAGGTGACTAACACCCCTGAATC
 CCTCCGGAAGCCGTCCCACCCCTCCCGGCCCTCCAGACTACCTGCGGTTGAATCGCCACCTGCA
 CCATTGCCGACATCTGAACAGGGTGTGGGAGCTCCCAGAAGCTGGGGCTCGAATAGAAAGAAAGG
 AGTCAGCCAGGAGCCTCCCCAAGCCGACCCATGCCCTGCACCTAAGTGCCTACTGTCCAGGACTT
 CTCAGGCTCGACCACCTCAGAAGGCACTCCAGCCAATCCGGTCCAGGCCAAAGGACCGGTCCAGG
 TCAGGAGGCACCTCCCTGCTTACGCCCCCTACTTCTGGTCTCAGCCCCCAGGCTCCAGCAGTGCCTG
 TTCAAAGCTACCGAGTACCGATCACAGAGGGTTGGAGCAATAATTAGTCCAAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230652 representing NM_001291891
 Red=Cloning site Green=Tags(s)

MAMCSVYQSGGVSMDSHNSAIGVASTVAHEIGHNFGMSHDSAHCCSASAADGGCIMAATGHPFPKVF
 CNRKELDRYLQTTGGMCLSNMPDTRTYGRRGNGYLEEDGECDGEEEEKNPPCCNASNCTLKEGAEC
 AHGSCCHQCKLVAPGTQCREQVRQCDLPEFCTGKSPHCPTNYYQMDGTPCEGGQAYCYNGMCLTYQECCQ
 QLWGPARGPALDLCFERVNAAGDTYGNCGKGLNGYRKCSPRDAKCGKIQCQSTQARPLESNAVSIDTTI
 TLNGRRIHCRGTHVYRGPPEEEEGDMLDPGLVMTGKCGHNIHCFEGQCRNTSFFETEGCGKKNHGV
 CNNNKNCHCFPGWSPFCNTPGDGGSVDSGPLPPKSVGPVIAGVFSALFVLAFLVLLCHCYRQSHKLGK
 SALPFKLRHQFSCPFVRSQSGGTGHANPTFKLQTPQGRKVTNTPESLRKPSHPPPPPPDYLRVESPPA
 PLPAHLNRAAGSSPEAGARIERKESARRPPPSRPMPAPNCLLSQDFSRPPRPQKALPANVPVQRTGPR
 SGGTSLLPPTSGPQPPRPPAVPVKLEPEYRSQVRGAIISSKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

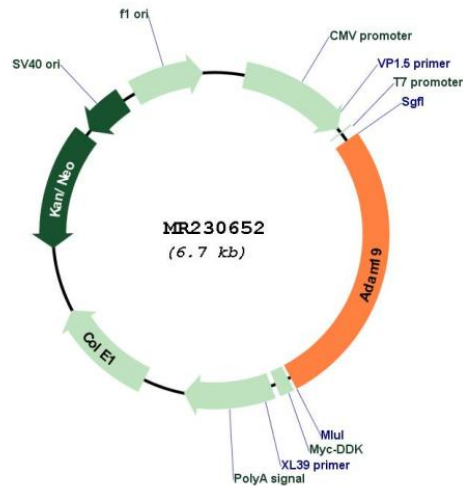
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001291891

ORF Size: 1809 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_001291891.1 , NP_001278820.1
RefSeq Size:	6421 bp
RefSeq ORF:	1812 bp
Locus ID:	11492
Cytogenetics:	11 27.54 cM
MW:	65.2 kDa
Gene Summary:	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]