

Product datasheet for **MR231351**

Adam19 (NM_001291890) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR231351 representing NM_001291890
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAGAACTCACACAGTTCCTGTCCACACCAATGGAGGAAGCCAAGAAGGTAGCCCTCCGCTACAGC
 ATGAACTCATAATACCTCAGTGGCGGACTTCAGAAAGCCCTGGGAGAGGAAAGCATCCACTCAGAGCAGA
 GCTCAGGGTCATGGCTGAAGGGCGAGAGCTGATCCTAGACCTGGAGAAGAACGAGCACCTTTTTGCTCCA
 GCCTACACAGAAACCTGTACTACTGCAAGTGGCAATCCTCAAACCAGCACGCTGAAGTCTGAGGATCACT
 GCTTTTACCACGGGACTGTGAGGGACGTGGATGAGTCCAGTGTACGCTCAGCACCTGCCGGGAATTAG
 AGGACTGATTATAGTGAGAAGTAACCTCAGCTACATCATCGAGCCGTCCTAACAGCGACAGCCAAACAC
 CGTATTTACAGATCCGAACATCTCAGCTGCCCGGGGAAGTGTGGTTCGAGCACTCCGGGCCACCT
 CGAAGGACTGGGCCCTTCAAGTTACACATCAGACCAAAAAGCAACCTCGCAGAATGAAACGGGAAGATCT
 AACTCTATGAAGTACGTGGAGCTTTACCTGGTGGCTGATTATGCAGAGTTTCAGAAGAATCGACATGAC
 CAGGATGCCACCAACGCAAGCTCATGGAGATTGCCAACTATGTTGATAAGTTTTACCGCTCCCTGAACA
 TCCGAATTGCACTTGTCCGCTTGGAGGTGTGGACGCATGGGGATAAGTGTGAAGTTTCAGAGAATCCCTA
 CTCTACCTCTGGTCTTTCTTAGTTGGAGGCGCAAGCTGCTTGCTCAGAAGAGCCATGACAATGCTCAG
 CTAATCACGGGCAGGTCCTTCCAAGGCACCACCTGGCTGGCCCCCTCATGGCCATGTGCTCCGTGT
 ACCAGTCTGGAGGAGTTAGCATGGACCACTCCGAGAATGCCATTGGTGTAGCCTCCACTGTGGCCATGA
 GATTGGCCACAACCTTTGGCATGAGCCATGATTCTGCACACTGCTGTTCTGCCAGTGCAGCCGATGGCGGC
 TGCATCATGGCCGCCACCAGGACCCCTTCCCAAAGTGTTCAGTTGGTGTAAACAGGAAGGAGCTGG
 ACAGGTATCTGCAGACAGGAGGAGGGATGTGCTCTCCAACATGCCGGACACTAGGACGCTGTATGGAGG
 CCGGAGGTGTGGCAACGGGTACCTGGAAGACGGTGAAGAATGTGACTGTGGAGAAGAGGGAATGTAAG
 AACCTTGTGCAATGCCTCCAACCTGCACTCTGAAGGAAGGGGCAGAGTGTGCCATGGTTCCTGCTGCC
 ACCAGTGAAGCTGGTGGCTCCTGGAACCCAGTGTGGGAGCAGGTTCCGCAATGTGACCTCCCCGAGTT
 CTGCACCGGAAGTCTCCCACTGCCCACTAATTATCAGATGGATGGCACCCTGCGAGGGTGGC
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 CCCGGCTGCCCTCGATCTTTGCTTTGAGAGGGTGAATGCTGCTGGTGCACCTATGAAACTGTGGCAA
 GGGCTTGAATGGCAATACAGGAAGTGCAGTCCCAGGGATGCCAAGTGTGGGAAGATTCACTGCCAGAGC
 ACCCAGGCCCGGCCCTGGAATCCAACGCAGTATCTATTGACACCACCTCACCTTGAACGGGAGGCGGA
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 CCCCCTCCCGGCCCTCCAGACTACCTGCGCGTTGAATCGCCACCTGCACCATTGCCGACATCTGA
 ACAGGGCTGCTGGGAGCTCCCCAGAAGCTGGGGTCTGAATAGAAAGAAAGGAGTCAAGCAGGAGGCTCC
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 TTCAGCCCCCTACTTCTGGTCTCAGCCCCCAGGCTCCAGCAGTGCCTGTTCCAAAGCTACCCGAGTA
 CCGATCACAGAGGTTGGAGCAATAATTAGCTCCAAGATC

ACCGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231351 representing NM_001291890
 Red=Cloning site Green=Tags(s)

MERTHTVPVHTNGGSQEGSPPLQHELIIIPQWRTSESPGRGKHPLRAELRVMAEGRELILDLEKNEHLFAP
 AYTETCYTASGNPQTSTLKSEDFYHGTVRDVDESSVTLSTCRGIRGLIIIVRSNLSYIIIEPVPNSDSQH
 RIYRSEHLTLPNGCGFEHSGPTSKDWALQFTHQTKKQPRMKRELDHSMKYVELYL VADYAEFQKNRHD
 QDATKRKLM EIANVYDKFYRSLNIRIALVGLEVWTHGDKCEVSENPYSTLWSFLSWRRKLLAQKSHDNAQ
 LITGRSFQGTII GLAPLMAMCSVYQSGGVSMDSHSENAIGVASTVAHEIGHNFGMSHDSAHCSSASADGG
 CIMAAATGHPFPKVF SWCNRKELDRYLQTGGMCLSNMPDTRTL YGRRRCNGNGYLEDGEECDGEEEECK
 NPCCNASNCTLKEGAECAHGSCCHQCKLVAPGTQCREQVRQCDLPEFCTGKSPHCPTNYYQMDGTPCEGG
 QAYCYNGMCLTYQECCQLWGPARGPALDLCFERVNAAGDTYGNCGKGLNGQYRKCSPRDAKCGKIQCQS
 TQARPLESNAVSIDTTITLNGRRIHCRGTHVYRGPEEEEEEGEDMLDPGLVMTGKCGHNHICFEGQCRNT
 SFFETEGCGKCCNGHVCNNNKNCCHFPGWSPFCNTPGDGGVSDSGLPPKSVGPVIAGVFSALFVLAV
 LVLLCHCYRQSHKLGKPSALPFKLRHQFSCPFVRSQSGGTGHANPTFKLQTPQGRKVTNTPESLRKPSH
 PPPRPPDYLRVESPPAPLPAHLNRAAGSSPEAGARIERKESARRPPSRPMPAPNCLLSQDFSRPRPP
 QKALPANVPVPGQRTGPRSGGTSLLQPPTSGPQPPRPPAVVPVKLPEYRSQRVGAIISSKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

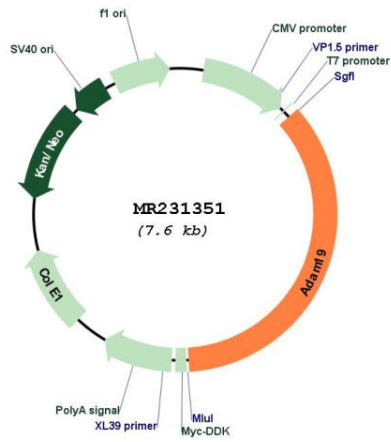
Cloning Scheme:



ACCN: NM_001291890

ORF Size:	2700 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_001291890.1 , NP_001278819.1
RefSeq Size:	6226 bp
RefSeq ORF:	2703 bp
Locus ID:	11492
Cytogenetics:	11 27.54 cM
MW:	99.2 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]

Product images:



Circular map for MR231351