

## Product datasheet for **MR218639**

### Adam33 (NM\_001163529) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam33 (NM_001163529) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam33
Synonyms:	Adaml
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR218639 representing NM\_001163529  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTCGAGGTGCGGGAGACCCGGGGGTCTCCGGTGTGCTATTGCTGCCGCTGTTGCTGCCCTCGT  
 GTCGCTGCGGAGCGCTCGGATGTTCCAGGAAATGCCATGGAGAGCTAGTCACTCCCACTGGATCCT  
 GGAGGGCAGACTCTGGCTCAAGGTCACCCTGGAGGAGCCGATCTTGAAGCCTGACTCGGTGCTGGTGGCT  
 TTAGAGGCTGAAGGCCAGGATCTCTGCTTGAAGTGGAGAAGAAGCACAAAGCTTCTGGCCCCAGGATACA  
 CAGAAACCCACTACAGGCCAGATGGGCATCCGGTGTGCTGTCCCAACACACGGATCATTGCCAATA  
 TCACGGGCGTGTAGGGGCTTCCGGGAATCCTGGGTGGTCTCAGCACCTGCTCTGGGATGAGTGGCCTT  
 ATTGTGCTCAGCAGAAAGTCAGCTATTATCTGCAACCTCGGACTCCTGGGGATACCAAAGACTTCCCAA  
 CCCACGAGATCTCCGGATGGAGCAGTTGTTACCTGGAGAGGGTCCAGAGAGACAAGAAGTCCCAATA  
 CAAAGCAGGAATGCCAGTCTTCTCATGTCCCCAGAGCCGGGTGAGGGCAGAGGCGCGCAGGAGTCCC  
 AGGTACCTGGAAGTGTACATAGTGGCTGACCACACCCTGTTCTTCTTACGATCAGAAGTGAACCACA  
 CGAGACAGCGCCTCCTGGAGGTTGCCAATTGCGTGGACCAGATTCTCAGGACTCTGGATATACAGTTGGT  
 GTTGACCGGGCTGGAAGTGTGGACCGAGCAGGATCTCAGTCGCATCACTCAGGACGCAAACGAAACGCTC  
 TGGGCTTTCTACAGTGGCGCCGCGGGGTGTGGGCCAGGAGACCACGACTCCACACAAGTGTACAGG  
 GCCGCACCTTCCAGGGTACCACGGTGGGCTGGCACCTGTGGAGGGCATATGCCCGCGGAGAGCTCCGG  
 AGGTGTGAGCACAGACCACTCGGAATCCCCATCGGCACAGCAGCCACATGGCCACGAGATAGGCCAC  
 AGCCTGGGCTCCACCATGATCCCGAGGGCTGCTGCGTGCAGGCCGATGCAGAGCAAGGAGGCTCGTCA  
 TGGAGGCAGCCACAGGGCACCTTTCCCGCGCTTTCAGCGCCTGCAGCCGCGCAGTGCAGCAGCTT  
 CTCCGCAAAGGGGCGGTCTTGCCTCTCCAACACTCGGCGCCGGGGTCTTGGTGTGCCAGCCGC  
 TCGGAAACGGCTTCTTGAAGCAGGAGAAGAGTGCAGTGCAGTCTGCGGTTCTGGCCAGAAGTGCCAGACCCCT  
 GCTGCTTTGCCACAATTGCTCCCTGCGTGCAGGGGCTCAATGTGCCACGGTGATTGCTGTGCGAGGTG  
 CCTGTTAAAGTCCGCGGGCAGCCTTGTGCTCTGCTGCGACTGACTGCGATCTCCCGAGTTCTGCACC  
 GGCACCTCCCGTATTGCCCGCAGATGTTTACCTACTGGATGGCTCACCTGCGCTGAGGGTCCGCGCT  
 ATTGCCTAGACGGCTGGTGTCCACGCTGGAGCAGCAGTCCAGCAGCTATGGGGCCTGGGTCCAAGCC  
 GGCCCCAGAGCCATGTTCCAGCAGATGAAGTCCATGGGGAATTCGAAGGGAAGTGGCCAGGACCAC  
 AAGGGTAGCTTCTGCTGTGCTCAGAGGGACGCTCTGTGTGGGAAAGTGTGTGCCAGGGAGGGGAGC  
 CGAACCCACTAGTCCCGACATAGTGACTATGGACTCCACAATTCCTAGAGGGCCGCAAGTGGTTTG  
 CCGAGGGGCTTTGTGCTCCAGATAGTCACTGGACCAGCTTGACTTGGGTCTGGTAGAGCCAGGCACC  
 GGCTGTGGACCTAGAATGGTTTGAATAGCAATCGTAACTGTCACTGTGCTGCTGGTGGGCTCCACCT  
 TCTGTGACAAGCTGGCTTGGGTGGTAGCGTGGATAGTGGCCCTGCACAGTCTGCAAACCGAGATGCCTT  
 CCCCTTGGCCATGCTCCTCAGCTTCTGCTGCCTCTGCTCCCTGGGGCTGGCCTAGCCTGGTGTACTAC  
 CAGCTCCCAACATTCTGTATCGAAGGGGACTGTGCTGCAGGAGGGACCCCTATGGAATAGAGACATAC  
 CCCTGGCAGTGTGCATCCGGTGGAGTTGGCTCCATCATCACTGGAGAGCCCTCGCCCCCTCCCCATG  
 GACCTCTTGCCAACAGCGTTCGCACCCTCATCTTCTGACTTGTCTCAGACCCTGCGAACTCTGAGCTT  
 ACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR218639 representing NM\_001163529  
 Red=Cloning site Green=Tags(s)

MGSRGCRPGGSPVLLLLPLLLPSCPLRSARMFPGNAHGELVTPHWILEGRLWLKVTLEEPILKPDSVLVA  
 LEAEGQDLLLELEKHKLLAPGYTETHYRDPGHPVVLSPNHTDHCQYHGRVRFRESWVVLSTCSGMSGL  
 IVLSSKVSYYLQPRTPGDTKDFPTHEIFRMEQLFTWRGVQRDKNSQYKAGMASLPHVPQSRVREARRSP  
 RYLELYIVADHTLFLLQHQLNHTRQRLLEVANCVDQILRTLDIQLVLTGLEVWTEQDLSRITQDANETL  
 WAFLOWRRGVWARRPHDSTQLLTGRTFQGTTVGLAPVEGICRAESSGGVSTDHSELPIGTAATMAHEIGH  
 SLGLHHDPEGCCVQADAEQGGCVMEAATGHPFPRVFSACSRRLRTFFRKGGGPCLSNTSAPGLLVPSR  
 CGNGFLEAGEECDGSGQKCPDPCCFAHNCSLRAGAQAHGDCCARLLKSAGTPCRPAATDCDLPEFCT  
 GTSYCPADVYLLDGSPCAEGRGYCLDGWCPTLEQQCQQLWGPQSKPAPEPCFQQMNSMGNSQGNCQGDH  
 KGSFLPCAQRDALCGKLLCQGGEPNPLVPHIVTMDSTILLEGREVVCRGAFVLPDSDLQDLGLVEPGT  
 GCGPRMVCNSNRNCHCAAGWAPPFCDKPGLGGSVDSGPAQSANRDAFPLAMLLSFLPLLPAGLAWCY  
 QLPTFCHRRGLCCRDPWNRDIPLGSVHPVEFGSIITGEPSPPPPWTSQQRSHPPSLDLLSDPANSEL  
 T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

## Cloning Scheme:



**ACCN:** NM\_001163529

**ORF Size:** 2313 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:**

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\\_001163529.2](#), [NP\\_001157001.1](#)

**RefSeq Size:** 3087 bp

**RefSeq ORF:** 2316 bp

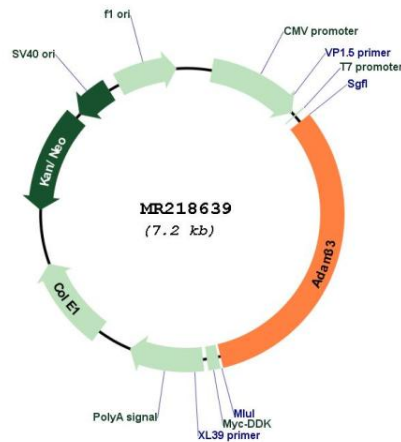
**Locus ID:** 110751

**Cytogenetics:** 2 63.26 cM

**MW:** 84.6 kDa

**Gene Summary:** This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. This gene is widely expressed, most highly in the adult brain, heart, kidney, lung and testis. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional metalloprotease enzyme. Alternative splicing results in multiple transcript variants encoding different isoforms, some of which may undergo similar processing. [provided by RefSeq, May 2016]

**Product images:**



Circular map for MR218639