

## Product datasheet for **MG217277**

### Adam33 (NM\_033615) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam33 (NM_033615) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adam33
Synonyms:	Adaml
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG217277 representing NM\_033615  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCTCGAGGTGCGGGAGACCCGGGGGTCTCCGGTGTGCTATTGCTGCCGCTGTTGCTGCCCTCGT  
GTCCGCTGCGGAGCGCTCGGATGTTCCAGGAAATGCCCATGGAGAGCTAGTCACTCCCCACTGGATCCT  
GGAGGGCAGACTCTGGCTCAAGGTCACCCTGGAGGAGCCGATCTTGAAGCCTGACTCGGTGCTGGTGGCT  
TTAGAGGCTGAAGGCCAGGATCTCTGCTTGAAGTGGAGAAGAAGCACAAGCTTCTGGCCCCAGGATACA  
CAGAAACCCACTACAGGCCAGATGGGCATCCGGTAGTGTGTCCCAACACACGGATCATTGCCAATA  
TCACGGGCGTGTAGGGGCTTCCGGGAATCCTGGGTGGTCTCAGCACCTGCTCTGGGATGAGTGGCCTT  
ATTGTGCTCAGCAGAAAGTCAGCTATTATCTGCAACCTCGACTCCTGGGGATACCAAAGACTTCCCAA  
CCCACGAGATCTCCGGATGGAGCAGTTGTTACCTGGAGAGGGTCCAGAGAGACAAGAAGTCCCAATA  
CAAAGCAGGAATGCCAGTCTTCTCATGTCCCCAGAGCCGGGTGAGGGCAGAGGCGCGCAGGAGTCCC  
AGGTACCTGGAAGTGTACATAGTGGCTGACCACACCCTGTTCTTGTCTCAGCATCAGAAGTGAACCACA  
CGAGACAGCGCCTCCTGGAGGTTGCCAATTGCGTGGACCAGATTCTCAGGACTCTGGATATACAGTTGGT  
GTTGACCGGGCTGGAAGTGTGGACCGAGCAGGATCTCAGTCGCATCACTCAGGACGCAAACGAAACGCTC  
TGGGCTTTCCTACAGTGGCGCCGCGGGGTGTGGGCCAGGAGACCACGACTCCACACAAGTGTACCGG  
GCCGCACCTTCCAGGGTACCACGGTGGGCTGGCACCTGTGGAGGGCATATGCCCGCGGAGAGCTCCGG  
AGGTGTGAGCACAGACCACTCGGAATCCCCATCGGCACAGCAGCCACATGGCCACGAGATAGGCCAC  
AGCCTGGGCTCCACCATGATCCCGAGGGCTGCTGCGTGCAGGCCGATGCAGAGCAAGGAGGCTGCGTCA  
TGGAGGCAGCCACAGGGCACCCCTTCCCGCGCTTTCAGCGCCTGCAGCCGCGCCAGTGCACACCTT  
CTTCCGCAAAGGGGCGGTCTTGCCTCTCCAACACTCGGCGCCGGGGCTCCTGGTGTGCCACGCCGC  
TGCGAAACGGCTTCTTGAAGCAGGAGAAGAGTGCAGTGCAGTGTGCGGTTCTGGCCAGAAGTGCCAGACCCCT  
GCTGCTTTCGCCACAATTGCTCCCTGCGTGCAGGGGCTCAATGTGCCACGGTGATTGCTGTGCGAGGTG  
CCTGTTAAAGTCCGCGGGCACGCCTTGTGCTCCTGCTGCGACTGACTGCGATCTCCCGAGTTCTGCACC  
GGCACCTCCCGTATTGCCCGCAGATGTTTACCTACTGGATGGCTCACCTGCGCTGAGGGTGCAGGCT  
ATTGCCTAGACGGCTGGTGTCCACGCTGGAGCAGCAGTGCAGCAGCTATGGGGCCTGGGTCCAAGCC  
GGCCCCAGAGCCATGTTCCAGCAGATGAAGTCCATGGGGAATTCGAAGGGAAGTGTGGCCAGGACCAC  
AAGGGTAGCTTCTGCTGTGCTCAGAGGGACGCTCTGTGTGGGAAAGTGTGTGCCAGGAGGGGAGC  
CGAACCCACTAGTCCGCACATAGTACTGACTATGGACTCCACAATTCCTAGAGGGCCGCAAGTGGTTG  
CCGAGGGGCTTGTGCTCCAGATAGTCACTGGACCAGCTTGACTTGGGTCTGGTAGAGCCAGGCACC  
GGCTGTGGACCTAGAATGGTGTGCCAGGACAGGCACTGTGAGAATGCTACCTCCAGGAGCTGGAACGTT  
GCTTACTGCTGCCATAACGGTGGGTTTGAATAGCAATCGTAACTGTCACTGTGCTGCTGGCTGGG  
TCCACCTTCTGTGACAAGCCTGGCTTGGGTGGTAGCGTGGATAGTGGCCCTGCACAGTCTGAAACCGA  
GATGCCTTCCCTTGGCCATGCTCCTCAGCTTCTGCTGCCTCTGCTCCCTGGGGCTGGCCTAGCCTGGT  
GCTACTACCAGCTCCCAACATTGTGTCATCGAAGGGGACTGTGCTGCAGGAGGGACCCCTATGGAATAG  
AGACATACCCCTGGGCAGTGTGCATCCGGTGGAGTTTGGCTCCATCATCACTGGAGAGCCCTCGCCCCT  
CCCCATGGACCTTGGCAACAGCGTTGCACCCCTCCATCTCTGACTGCTCTCAGACCCTGCGAACT  
CTGAGCTTACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

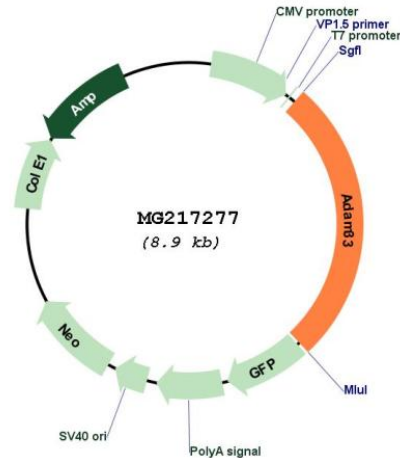
**Protein Sequence:** >MG217277 representing NM\_033615  
Red=Cloning site Green=Tags(s)

MGSRGCRPGGSPVLLLLPLLLPSCPLRSARMFPGNAHGELVTPHWILEGRLWLKVTLEEPILKPDSVLVA  
LEAEGQDLLLELEKHKHLLAPGYTETHYRDPGHPVVLSPNHTDHCQYHGRVVRGFRESWVVLSTCSGMSGL  
IVLSSKVSYYLQPRTPGDTKDFPTHEIFRMEQLFTWRGVQRDKNSQYKAGMASLPHVPQSRVREARRSP  
RYLELYIVADHTLFLQHQNLNHRQRLLEVANCVDQILRTLDIQLVLTGLEVWTEQDLSRITQDANETL  
WAFLLQWRRGVWARRPHDSTQLLTGRTFQGTTVGLAPVEGICRAESSGGVSTDHSELPIGTAATMAHEIGH  
SLGLHHDPEGCCVQADAEQGGCVMEAAATGHPFPRVFSACSRRLRTFFRKGGGPCLSNTSAPGLLVPSR  
CGNGFLEAGEECDGSGQKCPDPCCFAHNCSLRAGAQAHGDCCARLLKSAGTPCRPAATDCDLPEFCT  
GTSPYCPADVYLLDGSPCAEGRGYCLDGWCPTLEQQCQLWPGSKPAPEPCFQQMNSMGNSQGNCQGDH  
KGSFLPCAQRDALCGKLLCQGGEPNPLVPHIVTMDSTILLEGREVVCRGAFVLPDShLDQLDLGLVEPGT  
GCGPRMVCQDRHCQNATSQELERCLTACHNGGVCNSNRNCHCAAGWAPPFCDKPGLGGSVDSGPAQSANR  
DAFPLAMLLSFLPLLPAGLAWCYQLPTFCHRRGLCCRRDPLWNRDIPLGSVHPVEFGSIITGEPSP  
PPWTSCQQRSHPPSLDLLSDPANSELT

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_033615

**ORF Size:** 2391 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\\_033615.3](#), [NP\\_291093.2](#)

**RefSeq Size:** 3165 bp

**RefSeq ORF:** 2394 bp

**Locus ID:** 110751

**UniProt ID:** [Q923W9](#)

**Cytogenetics:** 2 63.26 cM

**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]