

## Product datasheet for **MC221517**

### Adam33 (NM\_001163529) Mouse Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >MC221517 representing NM\_001163529  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTCGAGGTGCGGGAGACCCGGGGTCTCCGGTGTGCTATTGCTGCCGCTGTTGCTGCCCTCGT  
 GTCGCTGCGGAGCGCTCGGATGTTCCAGGAAATGCCCATGGAGAGCTAGTCACTCCCCACTGGATCCT  
 GGAGGGCAGACTCTGGCTCAAGGTCACCCTGGAGGAGCCGATCTTGAAGCCTGACTCGGTGCTGGTGGCT  
 TTAGAGGCTGAAGGCCAGGATCTCTGCTTGAAGTGGAGAAGAAGCACAAGCTTCTGGCCCCAGGATACA  
 CAGAAACCCACTACAGGCCAGATGGGCATCCGGTAGTGTGTCCCAACACACGGATCATTGCCAATA  
 TCACGGGCGTGTAGGGGCTTCCGGGAATCCTGGGTGGTCTCAGCACCTGCTCTGGGATGAGTGGCCTT  
 ATTGTGCTCAGCAGAAAGTCAGCTATTATCTGCAACCTCGGACTCCTGGGGATACCAAAGACTTCCCAA  
 CCCACGAGATCTCCGGATGGAGCAGTTGTTACCTGGAGAGGGTCCAGAGAGACAAGAAGTCCCAATA  
 CAAAGCAGGAATGCCAGTCTTCTCATGTCCCCAGAGCCGGGTGAGGGCAGAGGCCGCGCAGGAGTCCC  
 AGGTACCTGGAAGTGTACATAGTGGCTGACCACACCCTGTTCTTGCTTACGATCAGAAGTGAACCACA  
 CGAGACAGCGCCTCCTGGAGGTTGCCAATTGCGTGGACCAGATTCTCAGGACTCTGGATATACAGTTGGT  
 GTTGACCGGGCTGGAAGTGTGGACCGAGCAGGATCTCAGTCGCATCACTCAGGACGCAAACGAAACGCTC  
 TGGGCTTTCTACAGTGGCGCCGCGGGTGTGGGCCAGGAGACCACGACTCCACACAAGTGTACAGG  
 GCCGCACCTTCCAGGGTACCACGGTGGGCTGGCACCTGTGGAGGGCATATGCCCGCGGAGAGCTCCGG  
 AGGTGTGAGCACAGACCACTCGGAATCCCCATCGGCACAGCAGCCACATGGCCACGAGATAGGCCAC  
 AGCCTGGGCTCCACCATGATCCCGAGGGCTGCTGCGTGCAGGCCGATGCAGAGCAAGGAGGCTCGTCA  
 TGGAGGCAGCCACAGGGCACCTTTCCCGCGCTTTCAGCGCCTGCAGCCGCCGAGTCCGCACCTT  
 CTTCCGCAAAGGGGCGGTCTTGCCTCTCCAACACCTCGGCGCCGGGGTCTCTGGTGTGCCAGCCGC  
 TCGGAAACGGCTTCTTGAAGCAGGAGAAGAGTGCAGTGCAGTCTGCGGTTCTGGCCAGAAGTGCCAGACCCCT  
 GCTGCTTTGCCACAATTGCTCCCTGCGTGCAGGGGCTCAATGTGCCACGGTGATTGCTGTGCGAGGTG  
 CCTGTTAAAGTCCGCGGGCACGCCTTGTGCTCTGCTGCGACTGACTGCGATCTCCCGAGTTCTGCACC  
 GGCACCTCCCGTATTGCCCGCAGATGTTTACCTACTGGATGGCTCACCTGCGCTGAGGGTCCGGCT  
 ATTGCTAGACGGCTGGTGTCCACGCTGGAGCAGCAGTCCAGCAGCTATGGGGCCTGGGTCCAAGCC  
 GGCCCCAGAGCCATGTTCCAGCAGATGAAGTCCATGGGGAATTCGAAGGGAAGTGTGGCCAGGACCAC  
 AAGGGTAGCTTCTGCTGTGCTCAGAGGGACGCTCTGTGTGGGAAACTGCTGTGCCAGGGAGGGGAGC  
 CGAACCCACTAGTCCCGACATAGTGACTATGGACTCCACAATTCCTAGAGGGCCGCGAAGTGGTTTG  
 CCGAGGGGCTTTGTGCTCCAGATAGTCACTGGACCAGCTTGACTTGGGTCTGGTAGAGCCAGGCACC  
 GGCTGTGGACCTAGAATGGTTTGAATAGCAATCGTAACTGTCACTGTGCTGTGGTGGGCTCCACCT  
 TCTGTGACAAGCTGGCTTGGGTGGTAGCGTGGATAGTGGCCCTGCACAGTCTGCAAACCGAGATGCCTT  
 CCCCTTGGCCATGCTCCTCAGCTTCTGCTGCCTCTGCTCCCTGGGGCTGGCCTAGCCTGGTGTACTAC  
 CAGCTCCCAACATTCTGTATCGAAGGGGACTGTGCTGCAGGAGGGACCCCTATGGAATAGAGACATAC  
 CCCTGGGCAGTGTGCATCCGGTGGAGTTGGCTCCATCATCACTGGAGAGCCCTCGCCCCCTCCCCATG  
 GACCTTGGCCAACAGCGTTCGCACCCTCCATCTTTGACTTGTCTCAGACCCTGCGAACTCTGAGCTT  
 ACC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001163529  
**Insert Size:** 2316 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001163529.2</a></u> , <u><a href="#">NP_001157001.1</a></u>
<b>RefSeq Size:</b>	3098 bp
<b>RefSeq ORF:</b>	2316 bp
<b>Locus ID:</b>	110751
<b>Cytogenetics:</b>	2 63.26 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter but has the same N- and C-termini compared to isoform 1. This isoform (2) may undergo proteolytic processing similar to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>