

## Product datasheet for **MC221841**

### Adam17 (NM\_009615) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam17 (NM_009615) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam17
Synonyms:	CD156b; Tac; Tace
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221841 representing NM\_009615  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCGCGCTCTCCTCATCTGACCCTTTGGTGCCTTCGTCCTGGCACCCGACCTCCGGAGGAAG  
 CAGGCTCTGGCTCCCATCCGCGACTTGAGAAGCTTGATTCTTTGCTCTCAGACTACGACATCCTCTCCTT  
 AGCTAATATTCAGCAGCACTCCATAAGGAAAAGGGATCTACAGTCTGCGACACACTTAGAAAACCTACTA  
 ACTTTTTCAGCTTTGAAAAGACATTTTAAATTATACTTGACATCAAGTACCGAACGCTTTTCACAAAACCT  
 TGAGAGTCGTGGTGGTGGACGGGAAAGAAGAAAGCGAGTACAGCGTGAAGTGGCAGAACTTCTTCAGTGG  
 TCACGTGGTTGGTGGCCTGACTCTAGGGTCTAGCCACATAGGAGATGATGATGTTACAGTGAGAATC  
 AACACAGATGGGCAGAAATAACGTAGAGCCACTTTGGAGGTTGTCAATGATACTAAAGATAAACGAA  
 TGCTGGTGTATAAGTCTGAAGATATCAAGGATTTTTCACGTTTGCAGTCTCCAAAAGTATGTGGTTATTT  
 AAATGCAGATAGTGAAGAGCTGCTTCCAAAAGGGCTCATAGACAGAGAGCCATCTGAAGAGTTTGTTCGT  
 CGAGTGAAGAGACGAGCTGAACCTAACCCCTTGAAGAATACTTGTAAATTAAGTGGTGGTAGCAGATCATC  
 GATTTTATAAATACATGGGCCGTGGAGAAGAGAGCACCCTACAATTAATAGAGCTAATTGACCG  
 AGTTGATGACATATACCGGAACACGTCGTGGGATAATGCAGGGTTTAAAGGGTATGGAGTGCAGATAGAG  
 CAGATTCGAATTCCTAAGTCTCCACAAGAGGTAACCTGGTGAAGACACTTCAATATGGCAAAAAGTT  
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 AGAAGCATCTAAGTCTGCCTGGCTCATTTTTACGTACCAGGATTTGATATGGGAACTTTGGATTA  
 GCTTACGTTGGTCTCCAGAGCAAACAGTCTGGAGGGGTTTGTCCAAAAGCTTATACAACCCAACTG  
 TGAAGAAAAACATCTATTTAAATAGTGGTCTGACTAGTACTAAAAATATGGCAAACTATTCTCACAAA  
 GGAAGCTGACCTGGTTACAACCTCATGAATTTGGACATAATTTTGGAGCAGAACATGACCCTGATGGGCTA  
 GCAGAATGTGCCCAAATGAGGACCAAGGAGGAAAGTATGTCATGTATCCCATAGCTGTGAGCGGTGACC  
 ACGAGAATAATAAGATGTTTTCAAAGTGCAGTAAACAGTCCATCTACAAGACCATAGAAAAGTAAAGCTCA  
 AGAGTGTCTCCAGGAGCGCAGCAACAAGGTGTGTGGCACTCCAGGGTGGATGAAGGAGAGGAGTGTGAC  
 CCGGGTATTATGTACCTGAACAACGACACCTGCTGCAATAGTACTGCACACTGAAGCCGGGTGTGACGT  
 GCAGTATAGGAACAGTCTTGTGTAAAACTGTCAGTTTGGAGCGCGCAGAAGAAGTGCAGGAGGC  
 TATTAATGCTACATGCAAAGGAGTGTCTTACTGCACAGGGAATAGCAGTGAAGTGCACCCACCCGGAGAT  
 GCTGAAGATGACTGTGTGCTTGGACCTTGGCAAGTGAAGGCTGGGAAATGCATCCCTTCTGCAAGA  
 GGGAGCAGGAGCTGGAGTCTGCGCATGCGTTGCACTGACAACCTGTCGCAAGGTGTGCTGACGGAACCT  
 TTCTGGCCCGTGTGTGCCGTACGTCGATGCAGAGCAAAAGAACTTGTTTTTGAGGAAAGGGAAGCCATGT  
 ACAGTAGGGTTTTGCGACATGAATGGCAATGTGAGAAACGAGTACAGGACGTAATTGAGCGATTTTGGG  
 ATTTCAATTGACCAGCTGAGCATCAACACTTTTGGGAAGTTTCTGGCAGATAACATCGTTGGGTCTGTTCT  
 GGTTTTCTCCTTGATATTTGGATTCTTTTTCAGCATTCTGTCCACTGTGTGGATAAGAACTGGACAAG  
 CAGTATGAATCCCTGTCTCTGTTTATCACAGTAACATTGAGATGCTGAGCAGCATGGACTCAGCATCTG  
 TTCGCATCATCAAGCCCTTCTGCAACCCAGACTCCAGGTCTGCTGCAGGCCCTGCAGCCAGCTGCCAT  
 GATGCCGCCAGTACCTGCAGCTCCAAAAGTGGACCACAGAGGATGGATACCATCCAGGAAGACCCAGC  
 ACAGACTCACATGCAGATGATGACGGTTTTGAGAAGGACCCCTTCCCAACAGCAGCACAGCTGCCAAGT  
 CCTTTGAGGATCTCACAGACCACCCAGTACCAGGAGCGAAAAGGCGGCCCTATTCAAGCTGCAGCGTCA  
 GAGCCGAGTTGACAGCAAGAGACAGAGTGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009615  
**Insert Size:** 2484 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>	<a href="#">BC094655</a> , <a href="#">AAH94655</a>
<b>RefSeq Size:</b>	4118 bp
<b>RefSeq ORF:</b>	2484 bp
<b>Locus ID:</b>	11491
<b>UniProt ID:</b>	<a href="#">Q9Z0F8</a>
<b>Cytogenetics:</b>	12 8.3 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. The encoded preproprotein undergoes proteolytic processing to generate a mature enzyme that is involved in the proteolytic release of membrane-bound proteins in a process called ectodomain shedding. Mice lacking the encoded protein die in utero or fail to survive beyond one week of age. 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 (1) encodes the predominant 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>