

Product datasheet for **MC229037**

Adam17 (NM_001277266) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam17 (NM_001277266) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam17
Synonyms:	CD156b; Tac; Tace
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229037 representing NM_001277266
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGCGGCGTCTCCTCATCTGACCCTTTGGTGCCTTCGTCCTGGCACCCCGACTCCGGAGGAAG
 CAGGCTCTGGCTCCCATCCGCGACTTGAGAAGCTTGATTCTTTGCTCTCAGACTACGACATCCTCTCCTT
 AGCTAATATTCAGCAGCACTCCATAAGGAAAAGGGATCTACAGTCTGCGACACACTTAGAAAACCTACTA
 ACTTTTTCAGCTTTGAAAAGACATTTTAAATTATACTTGACATCAAGTACCGAACGCTTTTCACAAAAC
 TGAGAGTCGTGGTGGTGGACGGGAAAGAAGAAAGCGAGTACAGCGTGAAGTGGCAGAACTTCTTCAGTGG
 TCACGTGGTTGGTGGCCTGACTCTAGGGTTCTAGCCACATAGGAGATGATGATGTTACAGTGAGAATC
 AACACAGATGGGCAGAAATAACGTAGAGCCACTTTGGAGGTTTGTCAATGATACTAAAGATAAACGAA
 TGCTGGTGTATAAGTCTGAAGATATCAAGGATTTTTCACGTTTGCAGTCTCCAAAAGTATGTGGTTATTT
 AAATGCAGATAGTGAAGAGCTGCTTCCAAAAGGGCTCATAGACAGAGAGCCATCTGAAGAGTTTGTTCGT
 CGAGTGAAGAGACGAGCTGAACCTAACCCCTTGAAGAATACTTGTAAATTAAGTGGTGGTAGCAGATCATC
 GATTTTATAAATACATGGGCCGTGGAGAAGAGAGCACCCTACAATTAAGGCTACATTTTCAGGCAC
 TCGGGACAGAGTGACGACCGACTGCTTTTTAGAGTTTTTATAGAGCTAATTGACCGAGTTGATGACATA
 TACCGAACACGTCGTGGGATAATGCAGGGTTTAAAGGGTATGGAGTGCAGATAGAGCAGATTCCGAATTC
 TCAAGTCTCCACAAGAGGTAAAACCTGGTGAAGACACTTCAATATGGCAAAAAGTTTCCCAAACGAAGA
 GAAGGATGCTTGGGATGTGAAGATGCTATTAGAGCAATTTAGCTTTGATATAGCTGAAGAAGCATCTAAA
 GTCTGCCTGGCTCATCTTTTACGTACCAGGATTTTGTATGGAACCTTTGGATTAGCTTACGTTGGTT
 TCTCCAGAGCAAAACAGTCAAGGGGTTTGTCCAAAAGCTTATTACAACCAACTGTGAAGAAAAACAT
 CTATTTAAATAGTGGTCTGACTAGTACTAAAAATTTATGGCAAAAACCTATTCTCACAAGGAAGCTGACCTG
 GTTACAACCTCATGAATTGGGACATAATTTTGGAGCAGAACATGACCCCTGATGGGCTAGCAGAATGTGCC
 CAAATGAGGACCAAGGAGGAAAGTATGTCATGTATCCCATAGCTGTGAGCGGTGACCACGAGAATAATAA
 GATGTTTTCAAACCTGCAGTAAACAGTCCATCTACAAGACCATAGAAAAGTAAAGGCTCAAGAGTGCTTCCAG
 GAGCGCAGCAACAAGGTGTGTGGCAACTCCAGGGTGGTGAAGGAGAGGAGTGTGACCCGGGATTATGT
 ACCTGAACAACGACACCTGCTGCAATAGTACTGCACACTGAAGCCGGGTGTGACGTGACGTGATAGGAA
 CAGTCTTGTGTAAAAACTGTCAGTTTGGAGCGCGCAGAAGAAGTCCAGGAGGCTATTAATGCTACA
 TGCAAAGGAGTGTCTTACTGCACAGGGAATAGCAGTGAAGTCCCGGAGATGCTGAAGATGACA
 CTGTGTGCTTGGACCTTGGCAAGTGCAAGGCTGGGAAATGCATCCCTTTCTGCAAGAGGGAGCAGGAGCT
 GGAGTCTGCGCATGCGTTGACACTGACAACTCGTGAAGGTGTGCTGCAGGAACCTTTCTGGCCCGTGT
 GTGCCGTACGTCGATGCAGAGCAAAAAGAACTTGTTTTTGAGGAAAGGGAAGCCATGTACAGTAGGGTTTT
 GCGACATGAATGGCAATGTGAGAAACGAGTACAGGACGTAATTGAGCGATTTTGGGATTTTCATTGACCA
 GCTGAGCATCAACACTTTTGGGAAGTTTCTGGCAGATAACATCGTTGGTCTGTTCTGGTTTTCTCCTTG
 ATATTTTGGATTCTTTTACGATTTCTTGTCCACTGTGTGGATAAGAACTGGACAAGCAGTATGAATCCC
 TGTCTCTGTTTATCACAGTAACATTGAGATGCTGAGCAGCATGGACTCAGCATCTGTTTCGATCATCAA
 GCCTTTCTGCACCCAGACTCCAGGTCGTCTGCAGGCCCTGCAGCCAGCTGCCATGATGCCCGCCAGTA
 CCTGCAGCTCCAAAACCTGGACCACAGAGGATGGACACCATCCAGGAAGACCCACGACAGACTCACATG
 CAGATGATGACGGTTTTGAGAAGGACCCCTTCCCAACAGCAGCAGACTGCCAAGTCTTTGAGGATCT
 CACAGACCCAGTACCAGGAGCGAAAAGGCGGCTCATTCAAGCTGCAGCGTCAGAGCCGAGTTGAC
 AGCAAAGAGACAGAGTGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277266
Insert Size: 2541 bp

OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001277266.1</u> , <u>NP_001264195.1</u>
RefSeq Size:	4508 bp
RefSeq ORF:	2541 bp
Locus ID:	11491
UniProt ID:	<u>Q9Z0F8</u>
Cytogenetics:	12 8.3 cM
Gene Summary:	<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 (2) contains an alternate in-frame exon compared to variant 1. The resulting isoform (2) contains an alternate internal 19 aa segment compared to isoform 1. This isoform (2) may undergo 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>