

## Product datasheet for **MC220984**

### Adam18 (NM\_010084) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam18 (NM_010084) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam18
Synonyms:	Adam; Adam27; Dtgn; Dtgn3; Tmdc3; tMDCIII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220984 representing NM\_010084  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTCTGCTCTTCATACTTGGGAGCTTGCCATGCTGTTTGCCCGCCTCGATTCGGAAGGAATATGCC  
 TGCATATCACAGTGCCGAGAAGATAGAGCCACGCAAGGGCGGAGATGCAGAAGGGAAGGTGACATACGT  
 CATTACCATTGACGGGAAGCCCTACTCTCTGCATCTCAGGAACCACTCATTTTTATCCCAGAACTTTTTG  
 GTTTACACATAACAATGAACTGGATCTTTGATTCTGACTCATCACACTTTTTGGCTCATTGCCATTACC  
 GAGGATATGTTGATGAAGTGCCAAATCCATTGTGACTCAGCATCTGCTCTGGCCTCAGGGGATTCTT  
 GCAGTTGGAAAATGTCAGCTATGGAATTGAACCACTGGAGTCTCAGCAAGGTTTGAGCACATAGTTTAT  
 CAAGTGAAGAGCGACAGCTCAATGCTAGCAGGAAATGACAGCCATGTTTGGCAGATAGACCAGCTTGATA  
 AAGGCCATTTCAATGAGCAGGATAAAAAATCATTACAACCTGTTACCTCAAAGTCTAAAATGCACATTAT  
 AGTGGGAAAATTTTTGTTGACTATATGGGATCTGACATTATGGCCATAACACAGAAGATTTCCAGATT  
 ATTGGTCTTGTTAACGCTATGCTCACTCAGCTGAAATTGAGTGTGTGTTAGCCTCCTTGGAAATTGTGGT  
 CAGATAAAAAATCATATTTCTACTGACGGAAATGCTACTGATATTTTACAAGACTTTTGGACTGGAACG  
 AGACTATCTTACCCTGCAGTCCAATGAAATAACACACTTACTCATTTACAGGAGACGCCCCGAAATACATC  
 GGAGCGGCATCACCAGGTGAAATATGCAGTAAAAGCTATGTTGCGGGTGTGGTATGTATCCAGAAGACA  
 TAGGTTTGGAGGGATTCTCAGTGGTTATCACTCAACTGATTGGCCTTACATAGGATTAACATACGACGA  
 CAATATTAGAAAATGTTCTGTCCCAGCGCTCCATGCATAATGCAGCAGGGAGCACTGAGTTCAGTGGG  
 AAGAAGACTTTTAGCAACTGTAGCTTGCATGACTACATGCACTATGTTTCAAATTTGACACGCAGTGTCT  
 TTGGTGACCTGTCAAATGTGCATGTATTGCAACCAAATCAAGCCGTGTGTGGCAATGGAATCATGGAAGC  
 TGGTGAGGAATGTGACTGTGGTAATGAGACGGAATGTCAATTTAAAGAGTGTGCGACCATGAAACGCTGC  
 AGGCTAAAAGGCTCAGCACAATGTGGATCTGGAGCTTGTGCATGCCACGTGTGAGCTGTGAGCATCAG  
 GCACGCCCTGTAGGAAAGCTGTTGACCCAGAGTGTGACTTACAGAAATATTGCGATGGATCCTCTAGCCA  
 CTGTGTTCTGACACCTTTGCACTGAACGGCCATTTGTGACGGTGGGATCTGCATATTGCTACAATGGA  
 AGATGCCAGGCTCTCAATGACCAATGTGCAGTTTATTTGAAAAGGTTCTCAAGGGCTTCTATGCCT  
 GTTTTAAAAAGTGAATCACCACGTGAAAATCTGGCAAATGTGATTCTAAAGACTCGTACTCGGTACC  
 TTGGCGACAGCAGGATGTTCTCTGTGGGAAATAGCTTGTTCGGCCGCCAAGAATTATAAGAGCCCT  
 AGTCAATCTGTGGTCTATTCCTATGTCCACGACAGCGTGTGTCTGTCCATACTTCTGGGTTGTCTATGA  
 GATCAGATGGCAGAGACAGCGCATACGTGGCTGACGGCACTGTGTGTGGACCACAATGTATTGTATAAA  
 CGGAACCTGCAAAGAAGTTAATTTACAGGAAATGACTGCAACGCCACTAAGAAGTGCAAAGGGAATGGG  
 ATATGTAATAACTTTGGTAATTGCCAATGCTTTCTGACTACAGGCCCTCAGATTGTAACCTACAGATTG  
 GATCACCAGGGGGCAGCATCGACGACGGGAACACTCTCAGAACTGAGTCGGCTTTTGCTACAAAGCGCCT  
 GAGTAAGAATGAGGACAGCTGGGTGATCCTGGGCTTCTTCATCTTTCTGCCTTTTCATCGTAACTTTCCT  
 GTTGGGATCATGAAGAGAAACGAAAGGAAAATCGTGCCTCAGGGAGAACACAAAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_010084  
**Insert Size:** 2160 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).

<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_010084.2</a></u> , <u><a href="#">NP_034214.2</a></u>
<b>RefSeq Size:</b>	2361 bp
<b>RefSeq ORF:</b>	2160 bp
<b>Locus ID:</b>	13524
<b>UniProt ID:</b>	<u><a href="#">Q9R157</a></u>
<b>Cytogenetics:</b>	8 A2
<b>Gene Summary:</b>	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 expressed in a regulated fashion during early stages of spermatogenesis. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. This gene is located in a cluster of related ADAM genes on chromosome 8. [provided by RefSeq, May 2016]