

## Product datasheet for **MC221364**

### Adam24 (NM\_010086) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam24 (NM_010086) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam24
Synonyms:	Dtgn; Dtgn5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221364 representing NM\_010086  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGCTATGAGTGAGGCTCTGGTTCATGCAAGGATCACTCTCCTTCAGGCATGGTTGAGGATGCTGC  
 TCTTTTCTCTGTATGGCCCCGACTTGGTGTGCTGAATACAAAGGCCCTCCAGAGACAGTGAAACCCTT  
 GAGGGTAATTGTCTCTAGTAAAGACATGAGTCTTGCAGGCTGGATGTCCTATAGTCTGTACTTTGGAGGC  
 CAGAGACACATTATCTCCATGAAATCCAAGAATTTTTGGAATCCAGACAGCTCCCTGTGTTACATACA  
 ATGACCAAGGTGCTCTTTGAGGACAGACCTTTGTCCAAAATGACTGTTATTATCTTGGTTTTGTGGA  
 TGGAGATCTAGAATCCATGGCTGCTCTTACCACCTGTTTTGGGGCTTTCAAGGAATATTACAGATAAAT  
 GACACAGCTTATGAAATTAAGCCCAAGAGCCCCTTCCACATTTGAACATCTGCTTTACAAGATAGACA  
 GTGAGAAAACCAATTACGCCCCATGAGATGTGGATTAACAGATGAAGAAATAGCAGGGCAAGTGAGACT  
 TCAAGAAAATGGTAAGTCCACTAGAATGCAAAGCATCTATGGGTCATGGTGGTCTCATGGATTGTATATT  
 AAAGTGGCATTGGTTATAGACCATGAACAATACCTTTATCGAAAAAAAATACTTCTCTTGTGATAAGAG  
 ATGTATTAAGCATTATGCAGGAATAAATCTCTTCTTACTTTTCAGTGGATTAATATGTGGTTTTACTTGG  
 ACTTACTATCTGGACTAATGAAATCCTATACCAGTGAAGATATATATGCTCTTTTGGCAGCATTGTTGT  
 ACGTGGAAAGGGAACAACTTGATTCTCAGATACCATATGATATTGCACATCTCTTTGTGAATTATACTT  
 TTAGTAACTATTTGGCATAAGCCTATGTAGAACTGTATGTGATAAGACATTTGGTTGTGGAATTGATAG  
 TATCGTGAAGATGATTTCTTACCATTGGACATATTGTGGCACATGAGATAGGTACAATTTGGGCATG  
 TCACATGATGGGATACTTTGACTTGGGAGAAGAATCATGTTTAAATGTCTGCTACAATGGATAGTTCCC  
 AAAAAGCTCAGCAACTGTAGTTATGAAGTCTTGTGGGCACACATGATCAATAAAAGCTGCATACATAGAGA  
 GCCCAGACCTTCTGATATTTTCCAATTGAAGTCTGTGGGAATGGTATAGTTGAAGAAGGTGAGCAGTGT  
 GACTGTGGAAGCTCTGAAAAGTGTAGACGTAATCGCTGTTGTATGCCTAGCTGTACTCTGAGGTCTAAAG  
 CTAATGTGATACTGGACTATGTTGTAACCGCAAATGCCAAATCCAGCCATCTGGCACTCTGTGTAGAGC  
 TCGGGAGAATGAATGTGACCTTCCAGAATGGTGAATGGAACCTCACATGAGTGCCTGAAGACTTGTTT  
 GTACAGGATGGGACCTTGGCCCTGGTGTGGCTACTGCTATGAAAAAGATGTAACAGCCACGATGTCC  
 ACTGTCAGAGAGTTTTGGCCAGCTTGGCATGAAAGCATCGGATAGCTGTTACAAGGAACCAATACTCG  
 TGGTGATCGTTTTGGTAACTGTGGCTTCATAAACAACGAGTATGTGAGATGTGAGATCTCAGACATCCTC  
 TGTGGGAGGATCAATGTGACAAAAGTGGGAACACTTCTATCCTGCAGAAATCATTATACTATTCACTGGA  
 CTCATTTAATAGTGTTCCTGCTGGAGTACTGACTACCATTTGGGGATGAAAATTGCTGACCTCGGTGA  
 CATAAAAGATGGCACAACCTGTGGTCCACAGCATGTGTGCATTGCCAGAAAGTGTGTTAATAAGCCAAGT  
 TGGGTAATGATTGTACACCAGAGACCTGCAACATGAAAGGAGTCTGCAATAATAAGCAGCACTGCCATT  
 GTGATGTTGGCTGGAGCCCAAACTGCCAGGAACTGGCACCAGGGAAGTATTGACAGTGGTTCTCC  
 TGGAAACGAAGTTTATGAAGATGAAGTTGTGAGCAAGAAGGATGCCCCAGAAAAACCTAACGTCATAATT  
 TGGTTATTACCTATTATTTGTGTGGCTGTAGTTTTATCTGTATTGTTTTGCTTGTCTGGGGCCACTAAAA  
 AATCACGTGAAGCAGCAGCAAGTCAACCAGCAGAGGAGAGAGTTAAACCACCATATGAAGGGCTGAACC  
 TCATATGAGACAGTTAAACCACCGGATGAATGGGCTAACCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_010086  
**Insert Size:** 2286 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="#">NM_010086.5</a> , <a href="#">NP_034216.3</a>
<b>RefSeq Size:</b>	2887 bp
<b>RefSeq ORF:</b>	2286 bp
<b>Locus ID:</b>	13526
<b>UniProt ID:</b>	<a href="#">Q9R160</a>
<b>Cytogenetics:</b>	8 A4
<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 spermatogenesis. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional metalloprotease enzyme. Male mice lacking the encoded protein exhibit reduced fertility due to the higher incidence of polyspermic embryos. This gene is located adjacent to other ADAM genes on chromosome 8. [provided by RefSeq, May 2016]