

## Product datasheet for **MC221374**

### Adam25 (NM\_011781) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam25 (NM_011781) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221374 representing NM\_011781  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGACAAGACAAAGGCATCCTCTTTGCTGCCACAGAGACAACATAGCTATGGATAAGGCTGTGG  
 TATACACAAGGATACCTCATCTGTACGTCTGGCTAGAGATATTGAATATTCTTTTCATCATGGCCCTTGAC  
 TGGGTATGCTCAGCACACCAGCCTCCAGAAAGTAGTGATACCCTTACGGGTCACAGGCAACAGACCAATG  
 TGGGCTATGGGATGGCTGACCTATAGCCTGCATTTTGGGGCCAGAAACATTTTATTACATAAAGGCCA  
 AGAAGTCTTGGTTTCTAGACTCTTCTGTATTACCTACACTAAGCAAGGTGCTCTGCACAAGGACCA  
 GCCTTATGTCCAGAATGATTGCTACTACCATGGCCATATGGATGGAGACCCAGAGTCTATGGTTGCTATT  
 ACCACCTGTTATGGAGGCTTTCAAGGAATATTACAGATAAATGGCACAGTCTATGAAATCAAACCCAAGA  
 ACCTTTCTCCACATTTGAACATTTGGTTCAGAAGATGGACAGTGAGGAGACAGAATTACTCCCATGAG  
 ATGTGCACTGACAGAAGAGATAGCAAGGCAATGAACTTCAGCAGAATGAGAACCCCACTGATGCAA  
 AGCCACTATGAAGGATGGTGGACCCACAAGAGTTTTCTTGACCTGGCATTGGTTGTTGAACGTGAGCGAA  
 TTCGTTATCATAACAATAACACATCACGTGCTTAGTGGAAAGTATTCACCATTATCAATATAATAAATAA  
 TATTTATGAGACTGGATGTTGAGCTAGTTTTACTTGGAGTTGAGATGTGGAATGAAAGAAACCACGTG  
 CAGGTACGTAGCATAGAAGAAGCTCTAGATGAATTTGTATGTGGAAGGCTCGCAGCCTTAATTTTCGAA  
 TTCCAAATGACATTGCACATATTTTGTGAATCATGAGTTGGTATTTACCTTGGTTTAGCCTATATTGG  
 AAGTGTCTGTGTCCATCTCATAACTGTGGAGTTGATCGTCTGTTAGGAGGTAATCTTTTTATTTTGGAA  
 CGTATTATAGCACATGAGATGGGTATAATCTGGGTATGGAGCATGATAGCAGCTCATGTACATGTGGAA  
 GAAAGATTTGCTTAATGGCTCCAGCAGACAATGGTATCCCGAAGTTCAGTAACTGTAGTTATTCTTACTA  
 CTGGGCTACATACGCTACTGCCAAGTGTATGCGCAAGGAAAAGAAGTCAAAGGCATCCTCCGAGGCAAG  
 CTCTGTGGGGATGGAGTGGTTGACGATGGAGAACAGTGTGATTGTGGATCTGAAAAAGCTGTGCAGATG  
 ATCCATGCTGTAAGCCCAGCTGCACCCTCAAAGATGGCGCTGCCTGTGCTTTTGGGCTTTGCTGCTATA  
 TTGCCAGATCATGCCAGCAGGCACAGTTTCCGCAAGAGGTCAATGAATGTGATCTCCAGAATGGTGC  
 AACGGACATTCACATAAGTGTCTAATGACGTTTATTTGCTTGTGGGAGTCCCTGTAGAGATGGTGGCT  
 ACTGCTATGAGAAGAGATGTAATAACCGAGATGAACAGTGAAGCAAATCTTCGGCAAAGAAGCCAGGAG  
 TGCAGATCACAGTTGCTACAGAGAACTCAACACCCAAGGTGACCGTTTTGGCAAAGTGGTGTGATCAGA  
 GATGCATACTTAAGATGTCATGACCCAGACATCCTCTGTGGCAGAGTTCAATGTGAGAACGTAGCACACA  
 TTCCATTTTTGAGGGACCATCCACTGTACACTGGACTCACCTCAATGGTGTACCTGTTGGGGACTGA  
 CTACCATTTTGGGATGACAATCCCTGACATTGGTATTGTGAAAGATGGCACAGACTGTGGTCCAGAGCAT  
 GTGTGTATTAATAAGAAGTGTGTGAGTAAGTCAATTTGGAGAAGTCAAGTGTTCACCTAAGACATGCAACA  
 TGAAAGGTGTGTGCAACAATTTACACCACTGCCACTGCAACCTTGGGTGGGACCCACCACATTGCCTGAA  
 AAGTGGCCTTGGAGGGAGTATTGACAGTGGCCCTCCGAATACTGAAAATACTGAAAAGAAAACAC  
 AAGAAAAGTATTGGGCTAGTAATCTTTTTGGATTCTTTTTGCTTGTTTTTCCGTATTGTTTCATTGTGT  
 TCCTTTTTTCTTGAGGAGTTACGTAGAAGTACCTATGAGTGAAGAACCCAAAGTCCCACCCAGAAAA  
 CAAAGAAGATACCAATGAAGTAATGAACACTGAAACAGAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_011781

**Insert Size:** 2283 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>NM_011781.3, NP_035911.2</u>
<b>RefSeq Size:</b>	2632 bp
<b>RefSeq ORF:</b>	2283 bp
<b>Locus ID:</b>	23793
<b>UniProt ID:</b>	<u>Q9R159</u>
<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. This gene is located adjacent to other ADAM genes on chromosome 8. [provided by RefSeq, May 2016]