

Product datasheet for **MC221475**

Adam11 (NM_001110778) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam11 (NM_001110778) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam11
Synonyms:	AW060611; Mdc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221475 representing NM_001110778
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGAGCGCGCTGCGGCGCTGGGCGATCGCGGCTCTGCTGTGTTACCGCTTCTCCCCCGCCGGTCTTG
 GGGCCCTGGGTCCCAGAGGAGCTCTGCACTGGAGGAGCTCAGCCCATGTGGGGAGCCAGAGAGTCCAGA
 GGGCTCTGAGGTACAGAGCCCAGCCGGCTGGTAAAGCAGAGCTCCGGGGAGAGGTCGAAAGCCACAG
 TTGGACACCAGGGTCCGCCAGGATCCGCCAGGGGACGCCTGTGCACCTGGCCAGGTGAGTTTCGTCA
 TCCCGGCCTTCGACTCAAACCTTCACTCTGGACCTGGAGCTGAACCATCACCTCCTGTCTCGCAGTATGT
 GGAGCGCCACTTCAGCCGGGAGGAACAAGACAACACAGCACTGGGGCTGGAGACCCTGCTACTACCAT
 GGGAAACTCCGGGGCAACCCACAGTCTTTGCTGCACTCTACATGCCAGGGGTCATGGGGTCTTCT
 CTGATGGCAACCTGACTTACATCGTAGAGCCTAAGGAGATAGCTGGGCCCTGGGACCCACAGGGACC
 CCTTCCCACCTCATTTACCGGACCCCTCTCTCCAGCCCCCTTGGATGCAGGGAGCCAGGCTGCCTG
 TTTGCTGTCCCTGCCAGTCTGCTCTCCCAACTGGCCAAAGCTAAGAAGGAAAAGGCAGGTCGCCAGGG
 GCCACCCACAGTGCACAGCGAGACCAAGTATGTGGAGTTGATTGTAATCAATGACCACCAGCTGTTTGA
 GCAGATGCCGCAGTCACTGGTCCCTACCAGCACTTTGCAAAATCTGTTGTGAACCTGGCAGATGTGATA
 TACAAGGAACAGCTCAACACAAGAATTGTTCTGGTTGCCATGAAACGTGGGCAGATGGGGACAAGATCC
 AGGTGCAGGATGACCTACTGGAGACCCTGGCCCGGCTTATGGTCTACCGGCGGGAGGGTCTGCCTGAGCC
 CAGTGTGCCACCCACCTCTTCTCGGGTAGAACCTTCCAGAGCACCAGCAGCGGGGCGGCCTACGTGGGA
 GGCATCTGTTCACTGTCCCGGGTGGAGGTGTGAACGAGTATGGCAACATGGGTGCCATGGCGGTGACCC
 TGGCCACAGCGCTAGGGCAGAACTTGGGCATGATGTGGAATAAGCACCGGAGCTCAGCAGGGGACTGCAA
 GTGTCCAGACATTTGGCTGGGCTGCATCATGGAGGACACTGGGTTCTATTTGCCCGCAAGTTCTCGCGC
 TGCAGCATCGACGAATAACAACAGTTTCTGCAGGAGGGAGGCGGGAGCTGCCTGTTCAACAAGCCCTCA
 AGCTTCTGGACCCTCCCGAGTGCAGAAACGGCTTCGTGGAGGCGGGAGAGGAGTGCAGCTGCGGGTCCGT
 GCAGGAGTGCAGCCGAGCAGGGGCAACTGCTGCAAAAAATGCACCTTGACGCACGACGCCATGTGCAGC
 GATGGGCTCTGTTGTGCGCCGCTGCAAGTATGAGCCACGAGGTGTCTCTGCCGAGAAGCGGTGAATGAGT
 GTGACATTGCAGAGACCTGCACCGGCGACTCAAGCCAGTGTCCCCTAACCTTACAAGCTGGACGGTTA
 CTACTGTGATCATGAGCAGGGTCTGTTGCTATGGAGGCCGCTGTAACCCGGGACCGGCAGTGCCAAGCC
 CTATGGGGCCATGCGGCTGCGGATCGTTTCTGCTATGAGAAGCTGAACGTGGAGGGGACAGAGCGTGGAA
 ACTGTGGACGCAAGGGATCTGGTTGGGTCCAGTGCAGTAAGCAGGATGTGCTCTGTGGCTTCCTTCTGTG
 CGTCAACATCTCTGGAGCTCCGCGGCTAGGGGATCTGGGGGCGACATCAGCAGTGTACCTTCTACCAC
 CAGGGCAAGGAGTTGGACTGCAGGGGAGGCCACGTGCAGCTAGCTGATGGCTCGGACCTGAGCTATGTGG
 AGGACGGCACGGCCTGTGGGCCAACAATGTTGTGCCTAGATCACCGCTGCCTGCCAGCCTCTGCCTCAA
 CTTCAGCACCTGCCCTGGAAGTGGAGAGCGAAGGATCTGCTCCCATCATGGGGTTTGCAGCAACGAGGGG
 AAGTGTATCTGTAGCCAGACTGGACAGGCAAGACTGCAGTATTCACAACCCACTGCCACGTCCCCTC
 CCACTGGGAGACTGAGAGATACAAAGGTCCCAGCGGTACCAACATCATATTGGCTCCATCGCCGGGGC
 TGTCTGGTCGACCCATCGTCTGGGCGGCACGGGCTGGGGATTTAAAAACATCCGTCGTGGAAGGTAC
 GACCCGACCCAGCAGGGGCGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI
ACCN: NM_001110778
Insert Size: 2337 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).
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_001110778.2</u> , <u>NP_001104248.1</u>
RefSeq Size:	5133 bp
RefSeq ORF:	2337 bp
Locus ID:	11488
Cytogenetics:	11 66.48 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, functional protein. The protein encoded by this gene is believed to lack metalloproteinase activity due to the lack of a critical catalytic motif. Mice lacking the encoded protein exhibit defects in spatial learning, motor coordination and altered perception of pain. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing. [provided by RefSeq, May 2016]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). This isoform (1) may undergo proteolytic processing similar to isoform 2.</p>