

Product datasheet for **MC221277**

Adam5 (NM_007401) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam5 (NM_007401) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adam5
Synonyms:	tMDC; tMDC II; tMDCII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221277 representing NM_007401
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTCTTCTTTTGTCTTTTGCATCTTAAAGGGCTGCAGGCAGGCCAGAATCTCAGAAAACCA
 CCCTGCAGACAACGTTCCTGAAAAGATCTCATCACCGGATGTGGAACAGATGCAGAAGACCATATGGC
 TTATCTTATTACAATAAATGAAACCCCCATTTTCATCCATCTTAAAAACAATCATTATAACTCCAAC
 GCAGTTGTTTATACTTACGACAGAAATGATGTTCAACATTCTCAACCTTTGTCAGCTCTGGAAAATTGCA
 ATTACAATGGATATGTTGCAGGTTTCCAAACTCTATCGTGACCCTCACCGTTTGCACAGGACTCAGGGG
 AATCATACAGTTTGAAAATGTCTCCTATGCAATCGAGCCCGTGGAAACCTGTCAGGATTTGTCACGTG
 ATCTATGAGAACAACAACAACATGCTGTGATTCTGACCTGGGAAAGAATCAGTCATACAGTTGGTTT
 ACGAATCAGATTCAATTCGGAGTAACATGAAGAAATCTGGATTTACCGTGTACGCCAACGATTCAT
 TATGATGGATATCATCGTGGATAAAAAGCTGTTTATTACATGGGTTCTGACACTGAAGTTGTGCTACAG
 AAAGTCATTACAGATCATCGGTTTCGTTAACACTATGCTCTCCAAGTTAAACTGACTGTCTTAATAAATT
 CCATTGAAATCTGGTCAAGGAAAACAGAATTCGTTTATCAAAGGCAGTTGATGACTTATTGGTTCAATT
 CTCAATTTGAAAACATGAGTATAGATCACAACTGTTGCATACTTACTGGCATTGAGGAGCACCCCTGCT
 TCCACGGGGGCTCTATATCCAGGGAATCTGTGCAAACTGGAGTACAATGCTGCTGTTGCCCTGTATCCAA
 AAGGTTTATCGTTAGAATCGTTTAGTGCTTGTCTGCAGCTGCTGAGCATTGGTATGGGCTTAACTTA
 CGACACTGAGAACTGCCACTGTACAGGAGAAGTTGCCTAATGACGCCAAAGCAATATATTCTGGGGT
 GTGAAGGACTTCAGTACTTGTACCCTGGATGACTTTAAATACCTGTCAACAAGACAAGACCTTAGATGTC
 TCCAGGACTTGCCTTTGGAAAGAAAGCCAGCTCGCAGGCCAAGGAGAATCTGTGGCAATGGGATACTGGA
 GATGAACGAGCAATGTGACTGTGGCACTTTGAAGAACTGTACACATAGAAAATGCTGTGACCCTATGTCA
 TGTCGATTGAAAACAAGGCCACGTGTGGTTCTGGGGAGTGTGTAGTCAAGATTGCACGGTAAAAATGA
 ATGATGTGGTCTGTAGAAAGTCGGTAGATGAATGTGACTTTGTGGAGTACTGTAACGAAAAGATCCCTA
 TTGTGTCCCTAACACATATGCACGCAATGGGCAGTATTGTGAATCAGGTGAAGCCTTCTGTTTTGAAGGA
 CGATGTCAGACTGCTGACAAGCAATGTATGAGCATGCTTGGGAAATACGTGAGAGGGGCTTCTTTGCGT
 GCTATGAAGAGTTCAATTCAGAGGCGATAGATTTGGCAACTGTATTATAATTTTTGTGCTTTCAGAAA
 TTCTCTCTGTGGAAACTAATCTGTACGTGGCCATTCAAGAAGCTGGTGTAAAAGCCAATTTATCTGTG
 GCCTATGCGCAAATCCGGGATGACTTGTGTAGCTATGTATAAAGGTGGGAGGATACCTAAGACAACAA
 AGACGACATATCCAATCCAGCGGACAGAGATGAGACATTTGTAACGACGGCACCATCTGTGGCCCTGA
 TATGTTTTGTTTGGAGCATCATGCACAGAAACTAGATTTACATGGATTCTTCCAAGTGTGATTCAACT
 AGAGATTGCAACGACCATGGGGTTTGCAACAATTTACAGCATTGCCACTGTGATATAGGATATAACCCTC
 CTTTTTGTGAGGAACATAAGGGACAGTTTGAAGCGTTGATGATGGACATAAATATCATGTTGAAGATGG
 TAAAAGCTATAAGCAGCAAAGTCATAGTAATCTTAAAAAAAATCAGCTTCAGCTCATTCTCTACATATCT
 CTGCCCTTACTTGTGATGATTTTCAGCTGTAGTTATAAAGCAAAGCAAACCTGAGTCGTGTATGTGACAGAG
 AAAGAAGTGAAAGCGACAGCTCTACAACAGAAGATAGCGGGAGTAACACCAATGTGACCAGCAGTGGAGG
 AAGCACCTCCCACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007401
Insert Size: 2256 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:	NM_007401.3 , NP_031427.2
RefSeq Size:	2810 bp
RefSeq ORF:	2256 bp
Locus ID:	11499
UniProt ID:	Q3TTE0
Cytogenetics:	8 13.26 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. This gene is located in a cluster of related ADAM genes on chromosome 8. 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 (3) contains an alternate 3' terminal exon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1.</p>