

Product datasheet for **RN206676**

Adam15 (NM_020308) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam15 (NM_020308) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adam15
Synonyms:	MDC15; tMDCVI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206676 representing NM_020308
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGCTGGCGTGCTCTGGGCCCTGGGACTCCTGGGCGGGCAGCCCTCGGCCCTCCCCCGCTGC
 CAAATATAGGAGTACTGAGGAAGAGCAGCAAGCCAGCCAGAGAGGACCCAGAGTAGATCCTTGGAGAA
 CCAGGTTGTTCCAGGACAGCCCCCAATTAACCTAACAGAAGTGCTTCAGACTGGTTTACCTGAGACCCTG
 AGGATTGGATTGGAGCTGGACGGTGAGAATCATATCCTGGAGCTTCAACAGAATAGAGATCTGGTCCCTG
 GCCGCCGACTCTGGTGTGGTATCAGCCTGACGGCACCCGAATGGTCAGCGAGGGGCACAGTCTGGAAAA
 CTGCTGCTATCGAGGACGAGTTCAGGGCCGCCAGCTCTGGGTCTCCCTCTGTGCTGCTCTGGGATC
 AGGGGGCTGGTAGTCTGTCCCCTGAGAGAAGCTATACTGGAGCTGGGACCTGGAGACCTTCAGCGTC
 CTCTATTGTTTCTCGGATCCAAGACCTCCTCTTGCCAGGCCACACCTGTGCCCCAAGCTGGCATGCATT
 TGTGCCACCCGAGGCAGCACAGACCTCCTTTTGAACAGCACACCTTCGCAGGCTTAAGCGGGATGTA
 GTAACAGAGACGAAAATTGTGCAACTGGTGATTGTGGCTGATAATTCAGAGGTACAGGAAGTACCCTGACT
 TCCAACAACCTGCTGAACCGAACACTAGAAGTGGCCCTTCTGCTAGACACATTCTCCAGCCCTGAATGT
 CCGGGTAGCACTTGTGGGCTAGAGGCATGGACCCAGCGCAGCTGATAGAGATGAGCTCCAACCCAGCT
 GTCCTGTAGACAACCTCCTCCGCTGGCGCCGGACAGACTTGCTGCCTCGACTGCCCATGATAGTGCC
 AGCTTGTGACTGTTACTTCTTCTGGGCCATGGTGGGCATGGCCATTGAGAATTCATCTGTTCTCC
 TGACTTCTCGGGAGGTGAATATGGACCACTCGACAAGCATCTTAGGAGTTGCCTCCTCATTGCCAC
 GAGTTGGGTACAGCCTGGGCCAGACCAGATTACCTGGGAACAGTTGTCCTGTCCAGTCCAGCCC
 CAGCCAAGAGCTGCATCATGGAGGCCTCCACAGATTTTCTACCAGTCTGAACTTCAGAACTCCAGCCG
 ATGGGCCCTGGAAAAGCCCTCCTAGATGGGATGGGCAGCTGCCTCTTGAATGGCCACCCAGCCGGGCC
 CCTATGCTCTTTGTGTGAAATATGTTTGTGGACCCTGGAGAGCAGTGTGACTGTGGTCTCCAGATG
 AGTGCCTGATCCTGTGTGACTATTTTACCTGCCAGCTGAGGCCGGGAGCACAGTGTGCATCTGACGG
 ACCCTGTTGTCAAACCTGCAAGTTACAGCCAGCTGGTGGCAGTCCGCTTCCACAGACGATTGCGAT
 TTGCTGAGTTCTGCCTAGGAGATAGCTCTCAGTGCCCCCTGACATCAGGCTTGGGGACGGTGAGCCTT
 GTGCTAGTGGAGAGGCTGTGTATGCATGGGCGCTGTGCCTCTACACCCGGCAGTGCCAGTGCCTTTG
 GGGACCTGGGGCCAGCCTGCTGCACCCTTTGCCTCAAACAGCCAACACTCGGGTAAATGCCTTTGGG
 AGCTGTGGGCGCAGCCCCAGTGGTAGCTACATGCCTTGAACCTTAGAGATGCCATTTGTGGCAACTAC
 AGTGCCAGTGGGTAGGAATCAGCCTCTGCTGGGCTCAGTCCAAGATCAGCTCTCGGAGGTCTTGAAGC
 CAATGGGACACAATTAACCTGCAGCTGGGTAGATCTGGACTTGGGCAATGATGTGGCCAGCCTCTCCTG
 GCTCTACCTGGCACTGCCTGTGGCCCTGGCCTGGTGTGCATCGGCCATCGATGCCAGCCTGTGGATCTCC
 TGGGAGCACAGGAATGCCGACGAAATGCCATGGCCATGGGGTCTGCGACAGCAGCAGGCACTGCCACTG
 TGACGAGGGCTGGGCACCTCCTGATTGCATGACCCAGCTCAGAGCAACCAGCTCCCTGACCACAGGCCTG
 CTCCTCAGCCTCCTGTTGTTATTGGTCTCGTACTACTTGGTCCAGCTACTGGTACCGTGCCCCCTGC
 ATCAGCGGCTCTGCCAGCTCAAGGGATCCAGCTGCCAATATAGGGCAGCCCAATCCGGTCTCCTGAGCC
 ACCAGGACCTCCACAGAGGGCACAGCAGATGCCAGGCACTAAGCCTCAGGGGCCTACCAAACCCCAACC
 CCAAGAAAGCCACTGCCGCAACCCACAGGGCCGGCCCCGCTGGGTGACCTGCCTGGCCAGGAGATG
 GAAGCTTGCAGCTGGTAGTGCCTTCCAGGCCTGCCCCACCACCCACAGCAGCATCTTCGCTCTACCTCTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020308
Insert Size: 2451 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_020308.1 , NP_064704.1
RefSeq Size:	2815 bp
RefSeq ORF:	2451 bp
Locus ID:	57025
UniProt ID:	Q9QYV0
Cytogenetics:	2q34
Gene Summary:	Active metalloproteinase with gelatinolytic and collagenolytic activity. Plays a role in the wound healing process. Mediates both heterotypic intraepithelial cell/T-cell interactions and homotypic T-cell aggregation. Inhibits beta-1 integrin-mediated cell adhesion and migration of airway smooth muscle cells. Suppresses cell motility on or towards fibronectin possibly by driving alpha-v/beta-1 integrin (ITAGV-ITGB1) cell surface expression via ERK1/2 inactivation. Cleaves E-cadherin in response to growth factor deprivation. Plays a role in glomerular cell migration. Plays a role in pathological neovascularization. May play a role in cartilage remodeling. May be proteolytically processed, during sperm epididymal maturation and the acrosome reaction. May play a role in sperm-egg binding through its disintegrin domain (By similarity).[UniProtKB/Swiss-Prot Function]