

## Product datasheet for **RC234934**

### ADAM15 (NM\_001261464) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_001261464) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAM15
Synonyms:	MDC15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234934 representing NM\_001261464  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGGCTGGCGTCTCTGGGCCCTGGGGCTCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC  
 CAAATATAGTACTGTCTTGGGGTGTCTGGGACCTGCAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGA  
 GAAGGCCCCGAGGGAGCCCTTGGAGCCCAAGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTG  
 CTTAGACAGTCTGCCTGAGCCCTGAGGATCAAGTTGGAGCTGGACGGTGACAGTCATATCTGGAGC  
 TGCTACAGAATAGGGAGTTGGTCCAGGCCGCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGT  
 GGTCACTGAGGGACACACTTTGGAGAAGTGTCTACCAGGGAAGAGTGCAGGGATATGCAGGCTCTGG  
 GTGTCCATCTGCACCTGTCTGGGCTCAGAGGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGG  
 AGCAGGGGCTGGGACCTTCAGGGTCTCCATTATTTTCGGAATCCAAGATCTCCACCTGCCAGGCCA  
 CACCTGTGCCCTGAGCTGGCGGGAATCTGTACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGC  
 CACATTCGCCGGAGGCGGGATGTGGTAACAGAGACCAAGACTGTGGAGTTGGTATTGTGGCTGATCACT  
 CGGAGGCCAGAAATACCGGGACTTCCAGCACCTGCTAAACCGCACACTGGAAGTGGCCCTCTTGCTGGA  
 CACATTCCTCCGGCCCTGAATGTACGAGTGGCACTAGTGGGCTGGAGGCCGGACCCAGCGTGACCTG  
 GTGGAGATCAGCCCAAACCCAGCTGTACCCTCGAAAACCTCCTCCACTGGCGCAGGGCACATTTGCTGC  
 CTCGATTGCCCATGACAGTGGCCAGCTGGTACTTCTCAGGAGGTGTGAACATGGACACTCCACCAGCATCCTG  
 GGAGTCCCTCTCCATAGCCATGAGTTGGGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATA  
 GTGCCCTGTCCAGGTCCAGCCCAAGCAAGACTGCATCATGGAGGCCCTCCACAGACTCTCACCAGCA  
 CCTGAACCTCAGCAACTGCAGCCGACGGGCCCTGGAGAAAAGCCCTCCTGGATGGAATGGGACGCTGCCTC  
 TTCGAACGGCTGCCTAGCCTACCCCTATGGTGTCTTCTGCGGAAATATGTTTGTGGAGCCGGGCGAGC  
 AGTGTACTGTGGCTTCCGGATGACTGCGTCGATCCCTGCTGTGATTCTTTGACCTGCCAGCTGAGGCC  
 AGGTGCACAGTGTGCATCTGACGGACCCTGTTGTCAAATGGCAGCTGCGCCCGTCTGGCTGGCAGTGT  
 CGTCTACCAGAGGGATTGTGACTTGCCTGAATCTGCCAGGAGACAGCTCCAGTGTCCCTGATG  
 TCAGCCTAGGGGATGGCAGCCCTGCGCTGGCGGCAAGCTGTGTGCATGCACGGCGTTGTGCCTCCTA  
 TGCCAGCAGTGCAGTCACTTTGGGACCTGGAGCCAGCCCGCTGCGCCACTTTGCCTCCAGACAGCT  
 AATACTCGGGAAATGCTTTTGGGAGCTGTGGGCGCAACCCAGTGGCAGTTATGTGTCTGCACCCCTA  
 GAGATGCCATTTGTGGGAGCTCCAGTGCAGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGA  
 TCTACTCTGGGAGACAATAGATGTGAATGGGACTGAGCTGAACTGCAGCTGGGTGCACCTGGACCTGGGC  
 AGTGTGTGGCCAGCCCTCCTGACTCTGCCTGGCACAGCCTGTGGCCCTGGCCTGGTGTGTATAGACC  
 ATCGATGCCAGCGTGTGGATCTCCTGGGGGCACAGGAATGTGCAAGCAAATGCCATGGACATGGGGTCTG  
 TGACAGCAACAGGCACTGCTACTGTGAGGAGGGCTGGGCACCCCTGACTGCACCACTCAGCTCAAAGCA  
 ACCAGTCCCTGACCACAGGGCTGCTCCTCAGCCTCCTGGTCTTATTGGTCTGGTATGCTTGGTGCCA  
 GCTACTGGTACCGTCCCCGCTGCACCAGCGACTCTGCCAGCTCAAGGGACCCACCTGCCAGTACAGGGC  
 AGCCCAATCTGGTCCCTCTGAACGGCCAGGACCTCCGAGAGGGCCCTGCTGGCAGGAGGCAACTAAGTCT  
 CAGGGGCCAGCCAAGCCCCACCCCAAGGAAGCCACTGCCTGCCGACCCCAAGGCGGGTGGCCATCGG  
 GTGACCTGCCCGCCAGGGGCTGGAATCCCGCCCTAGTGTACCCTCCAGACCAGCGCCACCGCCTCC  
 GACAGTGTCTCGCTCTACCTC

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234934 representing NM\_001261464  
Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWPLPNIVLSWGVLPAGGTEEQQAESKAPREPLEPQVLQDDLPISLKKV  
LQTSLEPLRIKLELDGDHILELLQNRELVPGRPTLVWYQPDGTRVSEGHLENCCYQGRVRYAGSW  
VSICTCSGLRGLVVLTPERSYTLQGPGLQGPPIISRIQDLHLPGHICALSWRESVHTQKPEHPLGQR  
HIRRRRDVVVETETKVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDTFFRPLNVRVALVGLEAWTQRDL  
VEISPNPAVTLENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSIL  
GVASSIAHELGHSLGLDHDLPGNPCPCGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCL  
FERLPSLPPMAAFCGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQCASDGPCCQNCQLRPSGWQC  
RPTRGDCDLPEFCPGDSSQCPCPDVSLGDGEPACAGGQAVCMHGRCASYAQQCQSLWGPQAQPAAPLCLQTA  
NTRGNAFGSCGRNPSGSYVSCTPRDAICGQLQCQTGRTQPLLGSIRDLLWETIDVNGTELNCSSVHLDLG  
SDVAQPLLTLPGTACGGLVCIDHRCQRVDLLGAQECRSKCHGHGVCDNSNRHCYCEGWAPPDCTTQLKA  
TSSLTTGLLL SLLVLLVLMGASYWYRARLHQRLCQLKGPTCQYRAAQSGPSPERPQPQRALLARGTKS  
QGPAKPPPPRKPLPADPQGRCPGDLPGPGAGIPPLVVP SRPAPPPTVSSLYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Reconstitution Method:**

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\\_001261464.2](#)

**RefSeq Size:** 2882 bp

**RefSeq ORF:** 2475 bp

**Locus ID:** 8751

**UniProt ID:** [Q13444](#)

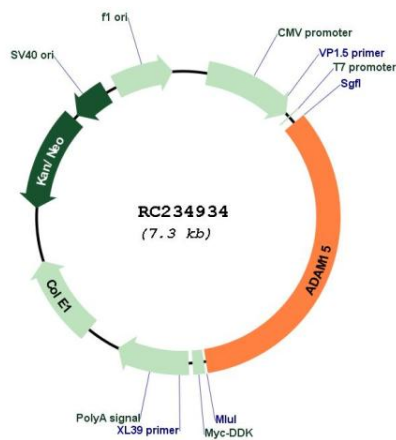
**Cytogenetics:** 1q21.3

**Protein Families:** Druggable Genome, Protease, Transmembrane

**MW:** 89.2 kDa

**Gene Summary:** The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC234934

