

## Product datasheet for **RC200642**

### ADAM15 (NM\_003815) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_003815) 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:**

>RC200642 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGGCTGGCGTGCTCTGGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC  
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA  
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG  
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCC  
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT  
 CTGCTACCAGGGAAGAGTGCGGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA  
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGGCTGGGGACCTCAGGGTCTC  
 CCATTATTCGCGAATCCAAGATCTCCACCTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT  
 ACACACTCAGACGCCACCAGAGCACCCCTGGGACAGCGCCACATTTCGCCGGAGGCGGGATGTGGTAA  
 GAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC  
 ACCTGCTAAACCGCACACTGGAAGTGGCCCTCTTGTGGACACATTCTTCGGGCCCTGAATGTACGAGT  
 GGCACTAGTGGGCTGGAGGCCTGGACCCAGCGTGACCTGGTGGAGATCAGCCAAACCCAGCTGTACC  
 CTCGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTGCCCATGACAGTGGCCAGCTGG  
 TGACTGGTACTTCATTCTCTGGGCTACGGTGGGCATGGCCATTGAGAACTCCATCTGTTCTCCTGACTT  
 CTCAGGAGGTGTGAACATGGACCACTCCACCAGCATCTGGGAGTCGCCTCCTCCATAGCCCATGAGTTG  
 GGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATAGCTGCCCTGTCCAGGTCCAGCCCCAGCCA  
 AGACCTGCATCATGGAGGCTCCACAGACTTCTACCAGGCTGAACCTCAGAACTGAGCCAGCCAGGGC  
 CCTGGAGAAAGCCCTCCTGGATGGAATGGGCAGCTGCCTCTTCGAACGGCTGCCTAGCCTACCCCTATG  
 GCTGCTTTCTGCGAAATATGTTTGTGGAGCGGGCAGCAGTGTACTGTGGCTTCTGGATGACTGCG  
 TCGATCCCTGCTGTGATTCTTTGACCTGCCAGCTGAGGCCAGGTGCACAGTGTGCATCTGACGGACCCTG  
 TTGTCAAATGGCAGCTGCGCCGCTGGCTGGCAGTGTGCTCTACCAGAGGGGATTGTACTTGCCT  
 GAATTCTGCCAGGAGACAGCTCCAGTGTCCCCTGATGTGAGCCTAGGGGATGGCGAGCCCTGCGCTG  
 GCGGGCAAGCTGTGTGCATGCACGGGCTTGTGCCTCCTATGCCAGCAGTGCAGTCACTTTGGGGACC  
 TGGAGCCAGCCGCTGCGCCACTTTGCCTCCAGACCGTAATACTCGGGAAATGCTTTGGGAGCTGT  
 GGGCGCAACCCAGTGGCAGTTATGTGCTGCACCCCTAGAGATGCCATTTGTGGCAGCTCCAGTGC  
 AGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGG  
 GACTGAGCTGAAGTGCAGCTGGGTGCACCTGGACCTGGGCACTGATGTGGCCAGCCCTCCTGACTCTG  
 CCTGGCACAGCCTGTGGCCCTGGCTGGTGTATAGACCATCGATGCCAGCGTGTGGATCTCTGGGGG  
 CACAGGAATGTGAAGCAATGCCATGGACATGGGGTCTGTGACAGCAACAGGCACTGCTACTGTGAGGA  
 GGGCTGGGCACCCCTGACTGCACCACTCAGCTCAAAGCAACAGCTCCCTGACCACAGGGCTGCTCCTC  
 AGCCTCCTGGTCTATTGGTCTGGTGTGCTTGGTGGCAGCTACTGGTACCGTGGCCGCTGCACCAAG  
 GACTCTGCCAGCTCAAGGACCCACTGCCAGTACAGGGCAGCCCAATCTGGTCCCTCTGAACGGCCAGG  
 ACCTCCGAGAGGGCCCTGCTGGCAGGAGCACTAAGTCTCAGGGGCCAGCAAGCCCCACCCCAAGG  
 AAGCCACTGCCTGCCGACCCCAAGGCGGGTGCCTCGGGTGAACCTGCCGCGCCAGGGCTGGAATCC  
 CGCCCTAGTGGTACCCTCCAGACAGCGCCACCGCCTCCGACAGTGTCTCGCTCTACCTC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

&gt;RC200642 protein sequence

Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESKAPREPLEPQVLQDDLPIISLKKVLQTSLEPLR  
IKLELDGDSHILELLQNRELVGRPTLVWYQPDGTRVVSEGHTLENCYQGRVRYAGSWVSICTCSGLR  
GLVVLTPERSYTLQGGDLQGPPIISRIQDLHLPGHICALSWRESVHTQTPPEHPLGQRHIRRRRDVVT  
ETKTVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDFFRPLNVRVALVGLEAWTQRDLVEISNPVAVT  
LENFLHWRRRAHLLPRLPHDSAQLVTGTSFGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL  
GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSPM  
AAF CGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQASDGPCCQNCQLRPSGWQCRPTRGDCDLP  
EFCPGDSSQCPPDVSLGDGEP CAGGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNAFGSC  
GRNPSGSYVVSCTPRDAICGQLQCQTGRTOPLLSIRDLLWETIDVNGTELNCSSWVHLDLGSVAQPLLT  
PGTACGGLVCIDHRCQRVDLLGAQECRSKCHGHGVCDNRHCYCEGWAPPDCTTQLKATSSLTTGLLL  
SLLVLLVLMGASYWYRRLHQRLCQLKGPTCQYRAAQSGP SERPGPPQRALLARGTKSQGPAKPPPPR  
KPLPADPQGRCPGDLPGPGAGIPPLVPSRPAPPPPTVSSLYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

## Chromatograms:

[https://cdn.origene.com/chromatograms/mk6230\\_h09.zip](https://cdn.origene.com/chromatograms/mk6230_h09.zip)

## Restriction Sites:

Sgfl-Mlul



**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\\_003815.5](#)

**RefSeq Size:** 2852 bp

**RefSeq ORF:** 2445 bp

**Locus ID:** 8751

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

**Cytogenetics:** 1q21.3

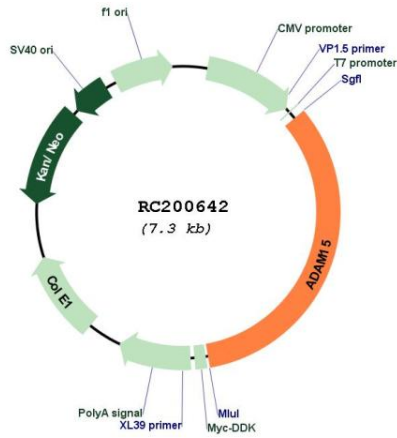
**Domains:** Reprolysin, DISIN, Pep\_M12B\_propep, ACR

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

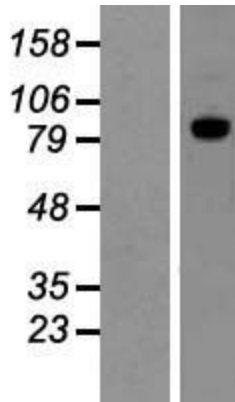
**MW:** 87.7 kDa

**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 RC200642



Western blot validation of overexpression lysate (Cat# [LY418416]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200642 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).