

Product datasheet for **RC222451**

ADAM15 (NM_207194) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_207194) 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:

>RC222451 representing NM_207194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCTGGCGTGCTCTGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCC
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCGGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGGCTGGGGACCTCAGGGTCTC
 CCATTATTCGCGAATCCAAGATCTCCACTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT
 ACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGCCACATTCGCCGGAGGCGGGATGTGGTAA
 GAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC
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 CTCGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTGCCCATGACAGTGGCCAGCTGG
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 AGACTGCATCATGGAGGCTCCACAGACTTCTACCAGGCCTGAACCTCAGAACTCAGCCAGCCAGGGC
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 AGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222451 representing NM_207194
Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESKAPREPLEPQVLQDDLPIISLKKVLQTSLEPLR
IKLELDGDSHILELLQNRELVGRPTLVWYQPDGTRVVSEGHTLENCYQGRVRYAGSWVSICTCSGLR
GLVVLTPERSYTLQGGDLQGPPIISRIQDLHLPGHICALSWRESVHTQKPEHPLGQRHIRRRRDVVT
ETKTVLVLIVADHSEAQKYRDFQHLLNRTLEVALLLDFFRPLNVRVALVGLEAWTQRDLVEISPNPAVT
LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSLPPM
AAF CGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQASDGPCCQNCQLRPSGWQCRPTRGDCDLP
EFCPGDSSQCPPDVSLGDGEPACGGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNAFGSC
GRNPSGSYVVSCTPRDAICGQLQCQTGRTOPLLSIRDLLWETIDVNGTELNCSSWVHLDLGSVAQPLLTL
PGTACGGLVCIDHRCQRVDLLGAQECRSKCHGHGVCDSNRHCYCEGWAPPDCTTQLKATSSLTTGLLL
SLLVLLVLMGASYWYRRLHQRLCQLKGPTCQYRAAQSGPSERPQPQRALLARGTKQASALSFPAPP
SRPLPPDPVSKRLQSQGPAKPPPPRKLPLADPQGRCPDGLPGGAGIPPLVPSRPAPPPTVSSLYL

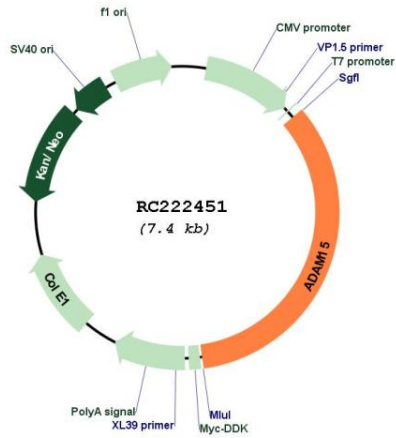
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3427_d08.zip

Restriction Sites: SgfI-MluI

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_207194.3
RefSeq Size:	2927 bp
RefSeq ORF:	2520 bp
Locus ID:	8751
UniProt ID:	Q13444
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	90.4 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 RC222451