

Product datasheet for **RC222394**

ADAM15 (NM_207191) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_207191) 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:

>RC222394 representing NM_207191
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGCTGGCGTGCTCTGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAAATAGGGAGTTGGTCCCAGGCC
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCAGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGCCTGGGACCTCAGGGTCTC
 CCATTATTCGCGAATCCAAGATCTCCACCTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT
 ACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGCCACATTCGCCGGAGGCGGGATGTGGTAA
 CAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC
 ACCTGCTAAACCCGACACTGGAAGTGGCCCTCTTGTGGACACATTCTTCGGCCCTGAATGTACGAGT
 GGCACTAGTGGGCTGGAGGCCTGGACCCAGCGTGACCTGGTGGAGATCAGCCAAACCCAGCTGTACC
 CTCGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTGCCCATGACAGTGGCCAGCTGG
 TGACTGGTACTTCTCTCTGGGCTACGGTGGGCATGGCCATTGAGAACTCCATCTGTTCTCTGACTT
 CTCAGGAGGTGTGAACATGGACCACTCCACCAGCATCTGGGAGTCGCCTCCTCCATAGCCCATGAGTTG
 GGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATAGCTGCCCTGTCCAGGTCCAGCCCCAGCCA
 AGACCTGCATCATGGAGGCCTCCACAGACTTCTACCAGGCCTGAACCTCAGAACTGCAGCCGACGGGC
 CCTGGAGAAAGCCCTCCTGGATGGAATGGGCAGCTGCCTCTTCGAACGGCTGCCTAGCCTACCCCTATG
 GCTGCTTTCTGCGAAATATGTTTGTGGAGCGGGCAGCAGTGTGACTGTGGCTTCTGGATGACTGCG
 TCGATCCCTGCTGTGATTCTTTGACCTGCCAGCTGAGGCCAGGTGCACAGTGTGCATCTGACGGACCCTG
 TTGTCAAATGGCAGCTGCGCCGCTGGCTGGCAGTGTGCTCTACCAGAGGGGATTGTGACTTGCCT
 GAATTCTGCCAGGAGACAGCTCCAGTGTCCCTGATGTGAGCCTAGGGGATGGCGAGCCCTGCGCTG
 GCGGGCAAGCTGTGTGCATGCACGGGCTTGTGCCTCCTATGCCAGCAGTGCAGTCACTTTGGGGACC
 TGGAGCCAGCCGCTGCGCCACTTTGCCTCCAGACAGCTAATACTCGGGAAATGCTTTGGGAGCTGT
 GGGCGCAACCCAGTGGCAGTTATGTGCTGCACCCCTAGAGATGCCATTTGTGGCAGCTCCAGTGCC
 AGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGG
 GACTGAGCTGAACCTGCAGCTGGGTGCACCTGGACCTGGGCACTGATGTGGCCAGCCCTCCTGACTCTG
 CCTGGCACAGCCTGTGGCCCTGGCTGGTGTGATAGACCATCGATGCCAGCGTGTGGATCTCTGGGGG
 CACAGGAATGTGAAGCAATGCCATGGACATGGGGTCTGTGACAGCAACAGGCACTGCTACTGTGAGGA
 GGGCTGGGCACCCCTGACTGCACCACTCAGCTCAAAGCAACAGCTCCCTGACCACAGGGCTGCTCCTC
 AGCCTCCTGGTCTATTGGTCTGGTGTGCTTGGTGGCAGCTACTGGTACCGTGGCCGCTGCACCAGC
 GACTCTGCCAGCTCAAGGACCCACCTGCCAGTACAGTCTCAGGGGCCAGCAAGCCCCACCCCAAGG
 AAGCCACTGCCTGCCACCCCAAGGGCCGGTGCCATCGGGTACCTGCCCGGCCAGGGGCTGGAATCC
 CGCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC222394 representing NM_207191
Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESEKAPREPLEPQVLQDDLPI SLKKVLQTSLEPLR
IKLELDGDSHILELLQNRELVGRPTLVWYQPDGTRVVSEGHTLENCYQGRVRYAGSWVSICTCSGLR
GLVVLTPERSYTLQGGDLQGPPIISRIQDLHLPGHTCALSWRESVHTQKPEHPLGQRHIRRRRDVVT
ETKTVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDFFRPLNVRVALVGLEAWTQRDLVEISNPVAVT
LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSLPPM
AAF CGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQASDGPCCQNCQLRPSGWQCRPTRGDCDLP
EFCPGDSSQCPPDVSLGDGEP CAGGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNAFGSC
GRNPSGSYVSCTPRDAICGQLQCQTGRTQPLLSIRDLLWETIDVNGTELNCSSWVHLDLGSVAQPLLTL
PGTACGPLVCIDHRCQRVDLLGAQECSRKCHGHGVCDSNRHCYCEGWAPPDCTTQLKATSSLTGLLL
SLLVLLVLMGASYWYRARLHQRLCQLKGPTCQYSLRGQSPHPQGSCLPTPRAGHRVTCPAQGLS
RP

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_207191.3](#)

RefSeq Size: 2782 bp

RefSeq ORF: 2319 bp

Locus ID: 8751

UniProt ID: [Q13444](#)

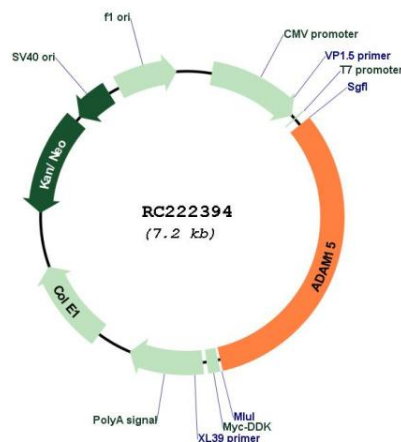
Cytogenetics: 1q21.3

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 83.7 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 RC222394

