

Product datasheet for **RC222504**

ADAM15 (NM_207195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_207195) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RC222504 representing NM_207195
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCTGGCGTGCTCTGGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCC
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCGGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGGCTGGGGACCTCAGGGTCTC
 CCATTATTCGCGAATCCAAGATCTCCACTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT
 ACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGCCACATTGCGCGGAGGCGGGATGTGGTAA
 GAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC
 ACCTGCTAAACCCGACACTGGAAGTGGCCCTTGTCTGGACACATTCTTCGGGCCCTGAATGTACGAGT
 GGCACTAGTGGGCTGGAGGCCTGGACCCAGCGTGACCTGGTGGAGATCAGCCAAACCCAGCTGTACC
 CTCGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTGCCCATGACAGTGGCCAGCTGG
 TGACTGGTACTTCACTCTCTGGGCTACGGTGGGCATGGCCATTGAGAACTCCATCTGTTCTCTGACTT
 CTCAGGAGGTGTGAACATGGACCACTCCACCAGCATCTGGGAGTCGCCTCCTCCATAGCCCATGAGTTG
 GGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATAGCTGCCCTGTCCAGGTCCAGCCCCAGCCA
 AGACTGCATCATGGAGGCTCCACAGACTTCTACCAGGCTGAACCTCAGAACTCAGCCAGCCAGGGC
 CCTGGAGAAAGCCCTCCTGGATGGAATGGGAGCTGCCTCTTCGAACGGCTGCCTAGCCTACCCCTATG
 GCTGCTTCTGCGAAATATGTTTGTGGAGCGGGCAGCAGTGTGACTGTGGCTTCTGGATGACTGCG
 TCGATCCCTGCTGTGATTCTTTGACCTGCCAGCTGAGGCCAGGTGCACAGTGTGCATCTGACGGACCCTG
 TTGTCAAATGGCAGCTGCGCCGCTGGCTGGCAGTGTGCTCTACCAGAGGGGATTGTGACTTGCTT
 GAATTCTGCCAGGAGACAGCTCCAGTGTCCCTGATGTGAGCCTAGGGGATGGCAGCCCTGCGCTG
 GCGGGCAAGCTGTGTGCATGCACGGGCTGTGCTCCTATGCCAGCAGTGCAGTCACTTTGGGGACC
 TGGAGCCAGCCGCTGCGCCACTTTGCCTCCAGACAGCTAATACTCGGGAAATGCTTTTGGGAGCTGT
 GGGCGCAACCCAGTGGCAGTTATGTGCTGCACCCCTAGAGATGCCATTTGTGGCAGCTCCAGTGGC
 AGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGG
 GACTGAGCTGAAGTGCAGCTGGGTGCACCTGGACTGGGCACTGATGTGGCCAGCCCTCCTGACTCTG
 CCTGGCACAGCCTGTGGCCCTGGCTGGTGTGATAGACCATCGATGCCAGCGTGTGGATCTCTGGGGG
 CACAGGAATGTGAAGCAATGCCATGGACATGGGGTCTGTGACAGCAACAGGCACTGCTACTGTGAGGA
 GGGCTGGGCACCCCTGACTGCACCACTCAGCTCAAAGCAACAGCTCCCTGACCACAGGGCTGCTCCTC
 AGCCTCCTGGTCTATTGGTCTGGTGTGCTTGGTGGCAGCTACTGGTACCGTGCCTGCGCCCTGCACAGC
 GACTCTGCCAGCTCAAGGACCCACTGCCAGTACAGGGCAGCCCAATCTGGTCCCTCTGAACGGCCAGG
 ACCTCCGAGAGGGCCCTGCTGGCAGGAGCACTAAGGCTGAGCTGGCTGACCCAGCCAAATCCCCCTACC
 CGCCCTTGCCCGCTGACCCGGTGGTGAAGCCCGAAGTCTCAGGGGCCAGCCAAGCCCAACCCCAAA
 GGAAGCACTGCCTGCCACCCAGGGCCGGTCCCATCGGGTACCTGCCCGCCAGGGGCTGGAAT
 CCCGCCCTAGTGGTACCCTCCAGACCAGCGCCACCGCCTCCGACAGTGTCTCGCTCTACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222504 representing NM_207195
Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESKAPREPLEPQVLQDDLPI SLKKVLQTSLEPLR
IKLELDGD SHILELLQNRELVGRPTLVWYQPDGTRVVSEGHTLENCYQGRVRYAGSWVSICTCSGLR
GLVVLTPERSYTL EQPGDLQGPPIISRIQDLHLPGHTCALSWRESVHTQKPEHPLGQRHIRRRRDVVT
ETKTVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDFFRPLNVRVALVGLEAWTQRDLVEISPNPAVT
LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSPMP
AAF CGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQASDGPCCQNCQLRPSGWQCRPTRGDCDLP
EFCPGDSSQCPPDVSLGDGEP CAGGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNAFGSC
GRNPSGSYV SCTPRDAICGQLQCQTGRTQPLLSIRDLLWETIDVNGTELNC SWVHLDLGS DVAQPLLTL
PGTACGPLVCIDHRCQRVDLLGAQECSRKCHGHGVCD SNRHCYCEGWAPPDCTTQLKATSSLTGLLL
SLLVLLV LVM LGASYWYRRLHQRLCQLKGPTCQYRAAQSGP SERPGPPQRALLARGTKAELADRPNPPT
RPLPADPVVRS PKSQGPAKPPPRKPLPADPQGRCP SGDLPGPGAGIPPLV VPSRPAPPPPTVSSLYL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_207195

ORF Size: 2514 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_207195.3](#)

RefSeq Size: 2924 bp

RefSeq ORF: 2517 bp

Locus ID: 8751

UniProt ID: [Q13444](#)

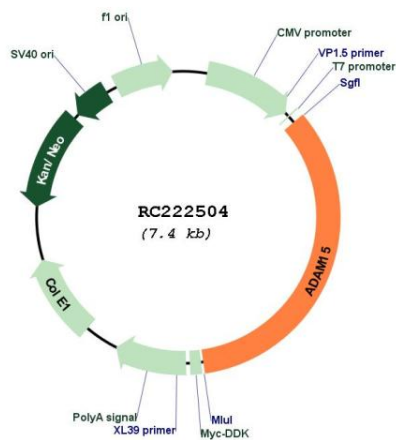
Cytogenetics: 1q21.3

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 90.3 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 RC222504

