

Product datasheet for **RG222504**

ADAM15 (NM_207195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_207195) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAM15
Synonyms:	MDC15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222504 representing NM_207195
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGCTGGCGTCTCTGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG
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 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCAGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGCCTGGGACCTCAGGGTCTC
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 ACCTGCTAAACCCGACACTGGAAGTGGCCCTCTTGTGGACACATTCTTCGGCCCTGAATGTACGAGT
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 CGCCCTGCGCCGCTGACCCGGTGGTGAAGCCGAAGTCTCAGGGGCCAGCCAAGCCCAACCCCA
 GGAAGCACTGCCTGCCACCCAGGGCCGTTGCCATCGGGTACCTGCCCGCCAGGGGCTGGAAT
 CCCGCCCTAGTGGTACCCTCCAGACCAGGCCACCGCCTCCGACAGTGTCTCGCTCTACCTC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222504 representing NM_207195
 Red=Cloning site Green=Tags(s)

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MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESKAPREPLEPQVLQDDLPI SLKKVLQTSLEPLR
IKLELDGDSHILELLQNRELVGRPTLVWYQPDGTRVVSEGHTLENCYQGRVRYAGSWVSICTCSGLR
GLVVLTPERSYTLQGGDLQGPPIISRIQDLHLPGHICALSWRESVHTQKPEHPLGQRHIRRRRDVVT
ETKTVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDFFRPLNVRVALVGLEAWTQRDLVEISPNPAVT
LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSLPPM
AAF CGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQCASDGPCCQNCQLRPSGWQCRPTRGDCDLP
EFCPGDSSQCPPDVSLGDGEP CAGGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNAFGSC
GRNPSGSYVVSCTPRDAICGQLQCQTGR TQPLLSIRDLLWETIDVNGTELNCSWVHLDLGS DVAQPLLTL
PGTACGPLVCIDHRCQRVDLLGAQE CRSKCHGHGVCDSNRHCYCEGWAPPDCTTQLKATSSLTGLLL
SLLVLLV LVM LGASYWYRRLHQRLCQLKGPTCQYRAAQSGP SERPGPPQRALLARGTKAELADRPNPPT
RPLPADPVVRS PKSQGPAKPPPRKPLPADPQGRCP SGDLPGPGAGIPPLV VPSRPAPPPPTVSSLYL
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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_207195.3](#)

RefSeq Size: 2924 bp

RefSeq ORF: 2517 bp

Locus ID: 8751

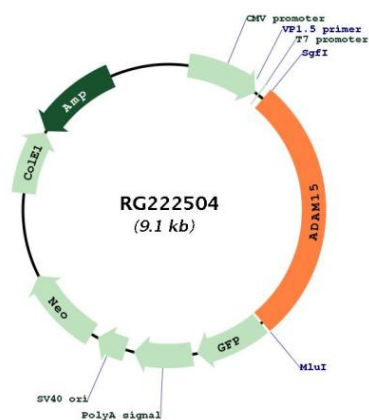
UniProt ID: [Q13444](#)

Cytogenetics: 1q21.3

Protein Families: Druggable Genome, Protease, Transmembrane

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 RG222504