

Product datasheet for **RG234891**

ADAM15 (NM_001261465) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_001261465) 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:

>RG234891 representing NM_001261465
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCTGGCGTCTCTGGCCCTGGGGCTCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTCTTCAGACCAGTCTGCCTGAGCCCTGAGG
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCC
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCAGGATATGCAGGCTCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGGCTGGGGACCTCAGGGTCTC
 CCATTATTCGCGAATCCAAGATCTCCACCTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT
 ACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGCCACATTCGCCGGAGGCGGGATGTGGTAA
 GAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC
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 GACTCTGCCAGCTCAAGGACCCACTGCCAGTACAGGCTAGTGTCTCAGCTTCCCGCCCCCTTCC
 AGGCCGCTGCCGCTGACCCTGTGTCCAAGAGACTCCAGTCTCAGGGGCCAGCCAAGCCCCACCCCA
 GGAAGCCACTGCCTGCCACCCAGGGCCGGTGGCCATCGGGTACCTGCCCGGCCAGGGCTGGAAT
 CCCGCCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234891 representing NM_001261465
 Red=Cloning site Green=Tags(s)

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MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESKAPREPLEPQVLQDDLPI SLKKVLQTSLEPLR
IKLELDGDSHILELLQNRELVGRPTLVWYQPDGTRVVSEGHTLENCYQGRVRYAGSWVSICTCSGLR
GLVVLTPERSYTLQGGDLQGPPIISRIQDLHLPGHICALSWRESVHTQKPEHPLGQRHIRRRRDVVT
ETKTVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDTFFRPLNVRVALVGLEAWTQRDLVEISNPVAVT
LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSLPPM
AAF CGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQASDGPCCQNCQLRPSGWQCRPTRGDCDLP
EFCPGDSSQCPPDVSLGDGEP CAGGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNAFGSC
GRNPSGSYVSCTPRDAICGQLQCQTGRTQPLLSIRDLLWETIDVNGTELNCSWVHLDLGS DVAQPLLTL
PGTACGPLVCIDHRCQRVDLLGAQECSRKCHGHGVCDSNRHCYCEGWAPPDCTTQLKATSSLTGLLL
SLLVLLVLMGASYWYRRLHQRLCQLKGPTCQYRLVLSASRPPLPGRCLTL CPRDSSLRGQSPHPQ
GSHCLTPRAGHRVTCPAQGLSRP
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TRTRPLE - GFP Tag - V

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_001261465.2](#)

RefSeq Size: 2854 bp

RefSeq ORF: 2391 bp

Locus ID: 8751

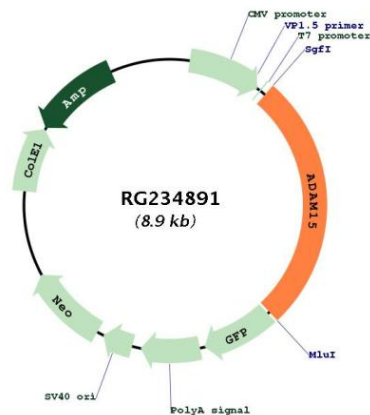
UniProt ID: [Q13444](#)

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 RG234891