

Product datasheet for **RG200642**

ADAM15 (NM_003815) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_003815) 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:

>RG200642 representing NM_003815
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGCTGGCGTCTCTGGCCCTGGGGCTCCTGGGCGGGCAGCCCTCTGCCTTCTGGCCGCTCC
 CAAATATAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAGAAGGCCCGAGGGAGCCCTTGAGGCCCA
 GGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGCTTCAGACCAGTCTGCCTGAGCCCTGAGG
 ATCAAGTTGGAGCTGGACGGTGACAGTCATATCCTGGAGCTGCTACAGAATAGGGAGTTGGTCCCAGGCC
 GCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTGAGGGACACACTTTGGAGAAGT
 CTGCTACCAGGGAAGAGTGCGGGATATGCAGGCTCCTGGGTGTCCATCTGCACCTGCTCTGGGCTCAGA
 GGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCTGGAGCAGGGGCTGGGGACCTCAGGGTCTC
 CCATTATTCGCGAATCCAAGATCTCCACTGCCAGGCCACACCTGTGCCCTGAGCTGGCGGGAATCTGT
 ACACACTCAGACGCCACCAGAGCACCCCTGGGACAGCGCCACATTTCGCCGAGGCGGGATGTGGTAA
 GAGACCAAGACTGTGGAGTTGGTATTGTGGTGTACTCTCGGAGGCCAGAAATACCGGACTTCCAGC
 ACCTGCTAAACCGCACACTGGAAGTGGCCCTCTTGTGGACACATTCTTCGGCCCTGAATGTACGAGT
 GGCACTAGTGGGCTGGAGGCCTGGACCCAGCGTGACCTGGTGGAGATCAGCCAAACCCAGCTGTACC
 CTCGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTGCCCATGACAGTGGCCAGCTGG
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 CTCAGGAGGTGTGAACATGGACCACTCCACCAGCATCTGGGAGTCGCCTCCTCCATAGCCCATGAGTTG
 GGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATAGCTGCCCTGTCCAGGTCCAGCCCCAGCCA
 AGACCTGCATCATGGAGGCTCCACAGACTTCTTACCAGGCTGAACCTCAGAACTGCAGCCAGCGGGC
 CCTGGAGAAAGCCCTCCTGGATGGAATGGGACAGTGCCTCTTCGAACGGCTGCCTAGCCTACCCCTATG
 GCTGCTTTCTGCGAAATATGTTTGTGGAGCGGGCAGCAGTGTGACTGTGGCTTCTGGATGACTGCG
 TCGATCCCTGCTGTGATTCTTTGACCTGCCAGCTGAGGCCAGGTGCACAGTGTGCATCTGACGGACCCTG
 TTGTCAAATGGCAGCTGCGCCGCTGGCTGGCAGTGTGCTCTACCAGAGGGGATTGTGACTTGCCT
 GAATTCTGCCAGGAGACAGCTCCAGTGTCCCTGATGTGAGCCTAGGGGATGGCGAGCCCTGCGCTG
 GCGGGCAAGCTGTGTGCATGCACGGGCTTGTGCCTCTATGCCAGCAGTGCCAGTCACTTTGGGGACC
 TGGAGCCAGCCGCTGCGCCACTTTGCCTCCAGACCGTAATACTCGGGAAATGCTTTGGGAGCTGT
 GGGCGCAACCCAGTGGCAGTTATGTGCTGCACCCCTAGAGATGCCATTTGTGGCAGCTCCAGTGC
 AGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCTGGGAGACAATAGATGTGAATGG
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 CCTGGCACAGCCTGTGGCCCTGGCTGGTGTGATAGACCATCGATGCCAGCGTGTGGATCTCTGGGGG
 CACAGGAATGTGAAGCAATGCCATGGACATGGGGTCTGTGACAGCAACAGGCACTGCTACTGTGAGGA
 GGGCTGGGCACCCCTGACTGCACCACTCAGCTCAAAGCAACAGCTCCCTGACCACAGGGCTGCTCCTC
 AGCCTCCTGGTCTATTGGTCTGGTGTGCTTGGTGGCAGCTACTGGTACCGTGCCTGCGCCCTGCACAGC
 GACTCTGCCAGCTCAAGGACCCACTGCCAGTACAGGGCAGCCCAATCTGGTCCCTCTGAACGGCCAGG
 ACCTCCGAGAGGGCCCTGCTGGCAGCAGGCACTAAGTCTCAGGGGCCAGCCAAGCCCCACCCCAAGG
 AAGCCACTGCCTGCCGACCCCAAGGCGGTGCCATCGGGTGAACCTGCCGCGCCAGGGCTGGAATCC
 CGCCCTAGTGGTACCCTCCAGACAGCGCCACCCTCCGACAGTGTCTCGCTCTACCTC

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG200642 representing NM_003815
Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWPLPNIGGTEEQQAESKAPREPLEPQVLQDDLPIISLKKVLQTSLEPLR
IKLELDGDSHILELLQNRELVGRPTLVWYQPDGTRVVSEGHTLENCYQGRVRYAGSWVSICTCSGLR
GLVVLTPERSYTLQGGDLQGPPIISRIQDLHLPGHICALSWRESVHTQTPPEHPLGQRHRRRRDVVT
ETKTVELVIVADHSEAQKYRDFQHLLNRTLEVALLLDTFFRPLNVRVALVGLEAWTQRDLVEISNPVAVT
LENFLHWRRRAHLLPRLPHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHEL
GHSLGLDHDLPGNPCPCPGPAPAKTCIMEASTDFLPGLNFSNCSRRALEKALLDGMGSCLFERLPSLPPM
AAF CGNMFVEPGEQCDCGFLDDCVDPCCDSLTCQLRPGAQASDGPCCQNCQLRPSGWQCRPTRGDCDLP
EFCPGDSSQCPPDVSLGDGEP CAGGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNAFGSC
GRNPSGSYVVSCTPRDAICGQLQCQTGRTQPLLSIRDLLWETIDVNGTELNCSSWVHLDLGSVAQPLLT
PGTACGGLVCIDHRCQRVDLLGAQECSRKCHGHGVCDSNRHCYCEGWAPPDCTTQLKATSSLTTGLLL
SLLVLLVLMGASYWYRRLHQRLCQLKGPTCQYRAAQSGP SERPGPPQRALLARGTKSQGPAKPPPPR
KPLPADPQGRCPGDLPGPGAGIPPLVPSRPAPPPPTVSSLYL

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_003815.3](#), [NP_003806.3](#)

RefSeq Size: 2823 bp

RefSeq ORF: 2445 bp

Locus ID: 8751

UniProt ID: [Q13444](#)

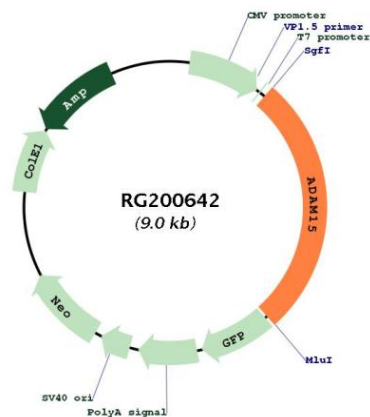
Cytogenetics: 1q21.3

Domains: Reprolysin, DISIN, Pep_M12B_propep, ACR

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 RG200642

