

## Product datasheet for **RG234615**

### ADAM15 (NM\_001261466) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAM15 (NM_001261466) 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:**

>RG234615 representing NM\_001261466  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGGCTGGCGTCTCTGGGCCCTGGGGCTCTGGGCGGGCAGCCCTCTGCCTTCCTGGCCGCTCC  
 CAAATATAGTCTCAGCATGCAATGTGGAAGCCCTCAGGTGGCACTGAGGAGCAGCAGGCAGAGTCAGAG  
 AAGGCCCGAGGGAGCCCTTGGAGCCCAAGTCTTCAGGACGATCTCCAATTAGCCTCAAAAAGGTGC  
 TTCAGGGAGTTGGTCCCAGGCGCCCAACCCTGGTGTGGTACCAGCCGATGGCACTCGGGTGGTCACTG  
 AGGGACACACTTTGGAGAACTGTGCTACCAGGGAAGAGTGGGGGATATGCAGGCTCTGGGTGCCAT  
 CTGCACCTGCTCTGGGCTCAGAGGCTTGGTGGTCTGACCCAGAGAGAAGCTATACCCTGGAGCAGGGG  
 CCTGGGGACCTCAGGGTCTCCATTATTTTCGGAATCCAAGATCTCCACCTGCCAGGCCACACCTGTG  
 CCCTGAGCTGGCGGAATCTGTACACACTCAGAAGCCACCAGAGCACCCCTGGGACAGCGCCACATTCCG  
 CCGGAGCGGGATGTGGTAACAGAGACCAAGACTGTGGAGTTGGTATTGTGGCTGATCACTCGGAGGCC  
 CAGAAATACCGGACTTCCAGCACCTGTAAACCGCACACTGGAAGTGGCCCTCTTGTGGACACATTCT  
 TCCGGCCCTGAATGTACGAGTGGCACTAGTGGGCTGGAGGCCTGGACCCAGCGTGACCTGGTGGAGAT  
 CAGCCAAACCCAGCTGTCAACCCTGAAAACCTTCTCCACTGGCGCAGGGCACATTTGCTGCCTCGATTG  
 CCCCATGACAGTGCCAGCTGGTACTTCTATTCTCTGGGCTACGGTGGGCATGGCCATTGAGAG  
 ACTCCATCTGTTCTCTGACTTCTCAGGAGGTGTAACATGGACCACTCCACCAGCATCTGGGAGTCGC  
 CTCCTCCATAGCCATGAGTTGGGCCACAGCCTGGGCTGGACCATGATTTGCCTGGGAATAGTGCCCC  
 TGTCAGGTCCAGCCCAAGACCTGCATCATGGAGGCTCCACAGACTTCTACCAGGCTGAAC  
 TCAGCAACTGCAGCCGACGGCCCTGGAGAAAGCCCTCTGGATGGAATGGGCAGCTGCCTTCGAAAG  
 GCTGCCTAGCCTACCCCTATGGCTGCTTCTGCGGAAATATGTTTGGAGCCGGGCGAGCAGTGTGAC  
 TGTGGCTTCTGGATGACTGCGTCGATCCCTGCTGTGATTCTTTGACCTGCCAGCTGAGGCCAGGTGCAC  
 AGTGTGCATCTGACGGCCCTGTTGTCAAATTGCCAGCTGCGCCCTGGCTGGCAGTGTGCTCTAC  
 CAGAGGGGATTGTGACTTGCTGAATTCTGCCAGGAGACAGCTCCAGTGTCCCCTGATGTCAGCCTA  
 GGGGATGGCGAGCCCTGCGCTGGCGGCAAGCTGTGTGCATGCACGGGCTTGTGCCTCTATGCCAGC  
 AGTGCCAGTCACTTTGGGACCTGGAGCCAGCCCGCTGCGCCACTTTGCCTCCAGACAGCTAATACTCG  
 GGGAAATGCTTTTGGGAGCTGTGGGCGCAACCCAGTGGCAGTTATGTGCTGCACCCCTAGAGATGCC  
 ATTTGTGGGAGCTCCAGTGCCAGACAGGTAGGACCCAGCCTCTGCTGGGCTCCATCCGGGATCTACTCT  
 GGGAGACAATAGATGTGAATGGGACTGAGCTGAACTGCAGCTGGGTGCACCTGGACTGGCAGTGTGAT  
 GGCCAGCCCTCTGACTCTGCCTGGCACAGCCTGTGGCCCTGGCTGGTGGAGCAGCTGGGTGGGCAA  
 GACCAGGTG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234615 representing NM\_001261466  
 Red=Cloning site Green=Tags(s)

MRLALLWALGLLGAGSPLPSWPLPNIVSACNVEAPQVALRSSRQSQRPRGSPWSPRSFRTISQLASKRC  
 FRELVPGRPTLVWYQPDGTRVSEGHLENCCYQGRVRYAGSWVSICTCSGLRGLVVLTPERSYTLQGG  
 PGDLQGPPIISRIQDLHLPGHICALSWRESVHTQKPEHPLGQRHIRRRRDVVETKTVELVIVADHSEA  
 QKYRDFQHLLNRTLEVALLLDFTFRPLNVRVALVGLEAWTQRDLVEISPNPAVTLENFLHWRRAHLLPRL  
 PHDSAQLVTGTSFSGPTVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHELGHSLGLDHDLPGNSCP  
 CPGPAPAKTCIMEASTDFLPLNFSNCSRRALEKALLDGMGSCLFERLPSPMAAFCGNMFVEPGEQCD  
 CGFLDDCVDPCDSLTCQLRPGAQCASDGPCCQNCQLRPSGWQCRPTRGDCDLPEFCPGDSSQCPDVS  
 GDGEPACAGQAVCMHGRCASYAQQCQSLWPGAQPAAPLCLQTANTRGNFAGSCGRNPSGSYSCTPRDA  
 ICGQLQCQTGRTQPLLGSIRDLLWETIDVNGTELNCSWVHLDLGSQVAPLLTLPGTACGPGLVSSLGGQ  
 DQV

**TRTRPLE** – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_001261466

ORF Size: 1899 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\\_001261466.2](#)

RefSeq Size: 2242 bp

RefSeq ORF: 1902 bp

Locus ID: 8751

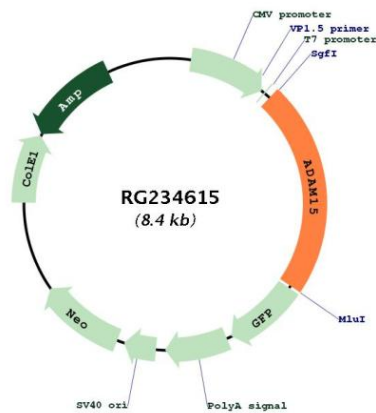
UniProt ID: [Q13444](#)

**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 RG234615