

## Product datasheet for **MG222533**

### Adam15 (NM\_009614) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adam15 (NM_009614) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adam15
Synonyms:	AD56; MDC15; metar
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG222533 representing NM\_009614  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGCTGGCGTCTCTGGGCTCTGGGACTCCTGGGCGGGCAGCCCTCGGCCCTCCCCCGCGTGC  
 CAAATATAGGAGGCACTGAGGAAGAGCAGCAAGCCAGCCAGAGAGGACGCTGAGTGGATCCATGGAGAG  
 CCGGGTTGTTCCAGGACAGCCCCCAATGAGCCTAGCAGACGTGCTTCAGACTGGTTTACCTGAGGCCCTG  
 AGGATTTCTTGGAGCTGGACAGTGAAGTGTCTCTGGAGCTTCTACAAAATAGAGATCTAATCCCTG  
 GCCGCCAACTCTGGTGTGTACCAGCCTGATGGCACCCGAATGGTCAGCGAGGGCTACAGTCTAGAAAA  
 CTGCTGTACCGAGGACGAGTGCAGGGCCACCCAGCTCCTGGGTGTCCCTCTGTGCTGCTCTGGGATC  
 AGGGGGCTCATTGCTCTGCCAGAGAGAGGCTATACTGGAGCTGGGCCCTGGGGACCTTCAGCGTC  
 CTGTCAATTCGCGATCCAAGACCCTGTTGCTGGGCCACACCTGTGCCCAAGCTGGCATGCCTCTGT  
 GCCCACTCGGGCAGGACCAGACCTCCTTCTGGAACAGCATCACGCTCACAGGCTTAAGCGAGATGTAGTA  
 ACAGAGACGAAAATTGTGGAGTTGGTGATTGTGGCTGATAATTCAGAGGTCAGAAAGTACCTGACTTCC  
 AACAACTGCTGAACCGGACACTAGAAGCGGCTCTCTTGCTAGACACGTTCTTCCAGCCCTGAATGTCCG  
 GGTAGCCCTTGTGGGCTAGAGGCATGGACCCAGCACAACTGATAGAAATGAGCTCCAACCCAGCTGTC  
 CTGCTAGACAACCTCCTCCGCTGGCGCCGGACAGACTTGTGCTCGACTGCCCATGACAGTGGCCAACT  
 TGGTACTGTAACCTCCTTCTCTGGTCCATGGTGGGCATGGCCATTGAGAAATCCATCTGTTCCCTGTA  
 CTTCTCCGGAGGTGTGAATATGGACCACTCCACAAGCATCTTAGGCGTTGCCCTCCTCGATTGCCATGAA  
 TTGGGCCACAGTCTGGGTTTGGACCATGATTCTCCCGGCACAGCTGTCCCTGTCCAGGTCAGCCCCGG  
 CTAAGAGCTGCATCATGGAGGCTCCACAGACTCCTACCAGTTTGAACCTCAGCAACTGCAGCCCCGGA  
 GGCCCTGGAAGGCCCTCCTGGAAGGAATGGCAGCTGCCTCTCGAACGGCAACCCAGCTGGCCCT  
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 GCACTGATCCCTGCTGTGACATTTACCTGCCAGCTGAGGCCAGGAGCGCAGTGTGCATCTGATGGACC  
 CTGTTGTCAAACGCAAGTTGCACCCAGCTGGTTGGCTGTGCCGCCCTCCACAGACGATTGTGATCTG  
 CCTGAGTTCTGCCAGGAGATAGCTCTCAGTGCCCGTCTGACATCAGACTTGGGGACGGTGAACCTGTG  
 CTAGTGGAGAGGCTGTGTATGCATGGGCGTGTGCTCCTATGCCCGCAGTCCAGTCACTTTGGGG  
 ACCCGGGCCAGCCTGTGCGCACTTTGCCTCAAACAGCCAACTCGGGTAAATGCCTTTGGGAGC  
 TGTGGGCGCAGCCCTGGTGGTAGCTACATGCCTTGTGCCCTAGAGATGTATGTGGCAACTGCAGT  
 GCCAGTGGGGTAGGAGCCAGCCTCTGTTGGGCTCAGTCCAAGATCGGCTCTCGGAGGTCCTGGAAGCCAA  
 CGGGACACAGTTAACTGCAGCTGGGTGGACCTGGACCTGGGCAATGATGTGGCCAGCCTCTTCTGGCT  
 CTGCTGGCACTGCCTGTGGTCTGGCCTGGTGTGCATCGGCCACCGATGCCAGCCCGTGGATCTCCTGG  
 GAGCACAGGAATGTGAAGAAAAATGCCACGGCCATGGGGTCTGTGACAGCAGCGGGCACTGCCGCTGTGA  
 AGAGGGCTGGGCACCTCCAGACTGCATGACCCAGCTCAAAGCAACCAGCTCCCTGACCACAGGCCTGCTC  
 CTCAGCCTCCTGTTGTTATTGGTCTCGTACTACTTGGTGCCAGCTACTGGCACCGTGGCCGCTGCATC  
 AGCGGCTCTGCCAGCTTAAGGGATCCAGCTGCCAATATAGGGCACCCCAATCCTGTCTCTGAACGACC  
 AGGACCTCCACAGCGGGCACAGCAGATGACAGGCACTAAGTCTCAGGGGCTACCAAACCCCAACCCCA  
 AGAAAGCCACTGCCTGCCAACCACAGGGCCAGCACCCACAGGTGACCTGCCTGGCCAGGAGATGGAA  
 GCTTGCCGCTGGTGGTGCCTCCAGGCCAGCTCCACCACCCCTGCAGCATCTTCGCTCTACCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG222533 representing NM\_009614  
 Red=Cloning site Green=Tags(s)

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MRLALLWALGLLGAGSPRPSPPLPNIGGTEEEQQASPRTLSGSMESRVVQDSPPMSLADVLQTGLPEAL
RISLELDSESHVLELLQNRDLIPGRPTLVWYQPDGTRMVSEGYLENCCYRGRVQGHPSWVSLCACSGI
RGLIVLSPERGYTLELPGDLQRPVISRIQDHLLLGHTCAPSWHASVPTRAGPDLLEQHHHRLKRDVV
TETKIVELVIVADNSEVRKYPDFQQLNRTLEAALLDFFFQPLNVRVALVGLEAWTQHNL IEMSSNPAV
LLDNFLRWRRTDLLPRLPHDSAQLVTVTSFSGPMVGMAIQNSICSPDFSGGVNMDHSTSILGVASSIAHE
LGHSLGLDHDSPGHSCPCGPAPAKSCIMEASTDFLPGLNFSNCSRQALEKALLEGMGSCLFERQPSLAP
MSSLCGNMFVDPGEQDCGFPDECTDPCCDHFTCQLRPGAQCASDGPCQNCKLHPAGWLCRPPTDDCDL
PEFCPGDSSQCPD IRLGDGEP CASGEAVCMHGR CASYARQCQSLWGPGAQPAAPLCLQTANTRGNAFGS
CGRSPGGSYMPCAPRDVMCGQLQCWGRSQPLLGSVQDRLSEVLEANGTQLNCSWVDL DLGNDVAQPLLA
LPGTACGPGLVCIGHRCQPVDLLGAQECRRKCHGHGVCDSGHCRCCEGWAPPDCMTQLKATSSLTGLL
LSLLLLLVLLGASYWHRARLHQRLCQLKGSSCQYRAPQSCPPERPGPPQRAQQMTGKTSQGPTKPPPP
RKPLPANPQGQHPGDLPGPGDGLPLVVP SRPAPPPPAASSLYL
  
```

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\\_009614.3](#)

**RefSeq Size:** 2859 bp

**RefSeq ORF:** 2448 bp

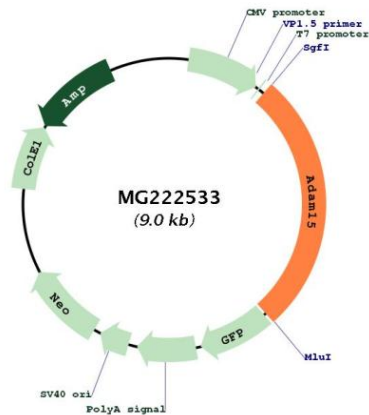
**Locus ID:** 11490

**UniProt ID:** [O88839](#)

**Cytogenetics:** 3 39.07 cM

**Gene Summary:** This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. This gene is prominently expressed in vascular cells, the endocardium, hypertrophic cells in developing bone, and specific areas of hippocampus and cerebellum. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. Mice lacking the encoded protein have increased bone mass resulting from osteoblast proliferation, and exhibit reduced neovascularization in a mouse model for retinopathy. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing. [provided by RefSeq, May 2016]

**Product images:**



Circular map for MG222533