

Product datasheet for **MG210599**

Adam11 (BC054536) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam11 (BC054536) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adam11
Synonyms:	AW060611; Mdc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210599 representing BC054536
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGCGGCC

ATGAGCGGCTGCGGCGCTGGGCGATCGCGGCTCTGCTGCTGTTACCGCTTCTCCCCCGCCGGTCTTG
 GGGCCCTGGGTCCCAGAGGAGCTCTGCACTGGAGGAGCTCAGCCCATGTGGGGAGCCAGAGAGTCCAGA
 GGGCTCTGAGGTACAGAGCCCAGCCGGCTGGTAAAGCAGAGCTCCGGGGAGAGGTCCGAAAGCCACAG
 TTGGACACCAGGGTCCGCCAGGATCCGCCAGGGGACGCCTGTGCACCTGGCCAGGTGAGTTTCGTCA
 TCCCGGCTTCGACTCAAACCTTCACTCTGGACCTGGAGCTGAACCATCACCTCCTGTCTCGCAGTATGT
 GGAGCGCCACTTCAGCCGGGAGGGAACAAGACAACACAGCACTGGGGCTGGAGACCCTGCTACTACCAT
 GGGAAACTCCGGGCAACCCACAGTCTTTGCTGCACTCTACATGCCAGGGGCTGCATGGGGTCTTCT
 CTGATGGCAACCTGACTTACATCGTAGAGCCTAAGGAGATAGCTGGGCCCTGGGACCCCCACAGGGACC
 CCTTCCCACCTCATTTACCGGACCCCTCTCTCCAGCCCCCTTGGATGCAGGGAGCCAGGCTGCCTG
 TTTGCTGTCCCTGCCAGTCTGCTCTCCCAACTGGCCCAAGCTAAGAAGGAAAAGGCAGGTCCGCAGGG
 GCCACCCACAGTGCACAGCGAGACCAAGTATGTGGAGTTGATTGTAATCAATGACCACCAGCTGTTTGA
 GCAGATGCGGCAGTCACTGGTCCCTACCAGCAACTTTGCAAAATCTGTTGTGAACCTGGCAGATGTGATA
 TACAAGGAACAGCTCAACACAAGAAATGTTCTGGTTGCCATGAAACGTGGGCAGATGGGGACAAGATCC
 AGGTGCAGGATGACCTACTGGAGACCCTGGCCCGGCTTATGGTCTACCGGCGGGAGGGTCTGCCTGAGCC
 CAGTGTGCCACCCACCTCTTCTCGGGTAGAACCTTCCAGAGCACCAGCAGCGGGGCGGCCTACGTGGGA
 GGCATCTGTTCACTGTCCCGGGTGGAGGTGTGAACGAGTATGGCAACATGGGTGCCATGGCGGTGACCC
 TGGCCACAGCCTAGGGCAGAACTTGGCATGATGTGGAATAAGCACCGGAGCTCAGCAGGGGACTGCAA
 GTGTCCAGACATTTGGCTGGGCTGCATCATGGAGGACACTGGGTTCTATTTGCCCCGCAAGTTCTCGCGC
 TGCAGCATCGACGAATAACAACAGTTTCTGCAGGAGGGAGGCGGGAGCTGCCTGTTCAACAAGCCCTCA
 AGCTTCTGGACCTCCCGAGTGCAGAAACGGCTTCGTGGAGGCGGGAGAGGAGTGCAGCTGCGGGTCCGT
 GCAGGAGTGCAGCCGAGCAGGGGCAACTGCTGCAAAAAATGCACCTTGACGCACGACGCCATGTGCAGC
 GATGGGCTCTGTTGTGCGCGCTGCAAGTATGAGCCACGAGGTGTCTCTGCCGAGAAGCGGTGAATGAGT
 GTGACATTGCAGAGACCTGCACCGGCGACTCAAGCCAGTGTCCCCTAACCTTACAAGCTGGACGGTTA
 CTACTGTGATCATGAGCAGGGTCTGTTGCTATGGAGCCGCTGTAAAACCCGGGACCGGCAGTGCCAAGCC
 CTATGGGGCCATGCGGCTGCGGATCGTTTCTGCTATGAGAAGCTGAACGTGGAGGGGACAGAGCGTGGAA
 ACTGTGGACGCAAGGGATCTGGTTGGGTCCAGTGCAGTAAGCAGGATGTGCTCTGTGGCTTCCCTTGTG
 CGTCAACATCTCTGGAGCTCCGCGGCTAGGGGATCTGGGGGCGACATCAGCAGTGTACCTTCTACCAC
 CAGGGCAAGGAGTTGGACTGCAGGGGAGGCCACGTGCAGCTAGCTGATGGCTCGGACCTGAGCTATGTGG
 AGGACGGCACGGCCTGTGGGCCAACAATGTTGTGCCTAGATCACCGCTGCCTGCCAGCCTCTGCCTCAA
 CTTCAGCACCTGCCCTGGAAGTGGAGAGCGAAGGATCTGCTCCCATCATGGGGTTTGCAGCAACGAGGGG
 AAGTGTATCTGTAGCCAGACTGGACAGGCAAAGACTGCAGTATTCACAACCCACTGCCACGTCCCCTC
 CCACTGGGAGACTGAGAGATACAAAGGTCCCAGCGGTACCAACATCATCATTGGCTCCATCGCCGGGGC
 TGTCTGGTCGACCCATCGTCTGGGCGCACGGGCTGGGGATTTAAAAACATCCGTCTGGAAGGTAC
 GACCCGACCCAGCAGGGGCGAGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210599 representing BC054536
Red=Cloning site Green=Tags(s)

```

MRRLRRWAI AALLLLPLLPPLGALGPRGALHWRSSAHVGSPESEPESEVTEPSRLVRQSSGGVEVRKPO
LDTRVVRQDPPRGTTPVHLAQVSVFIPAFDSNFTLDLELNHHLLSSQYVERHFSREGTRQHSTGAGDHCYYH
GKLRGNPQSFAALSTCQGLHGVFSDGNLTYIVEPKEIAGPWGPPQGPHLIYRTPLLPAPLGCREPGCL
FAVPAQSALPNWPKLRRKRQVRRGHPTVHSETKYVELIVINDHQLFEQMRQSVVLT SNFAKSVVNLADVI
YKEQLNTRIVLVAMETWADGDKIQVQDDLLETARLMVYRREGLPEPSDATHLFSGRTFQSTSSGAAYVG
GICSLSRGGGVNEYGNMGAMAVTLAQTLGQNLGMMWNKHRSSAGDCKCPDIWLGCMEDTGFYLPKFSR
CSIDEYNQFLQEGGGSCLFNKPLKLLDPPECGNGFVEAGEEEDCGSVQEC SRAGGNCKKCTLTHDAMCS
DGLCCRRCKYEPRGVSCREAVNECDIAETCTGDSSQCPPNLHKLDGYCDHEQGRCYGGRCKTRDRQCQA
LWGHAADRFCYEKLNVEGTERGNCGRKSGGWVQCSKQDVLGCFLLCVNISGAPRLGDLGGDISSVTFYH
QQKELDCRGGHVQLADGSDLSYVEDGTACGPNMLCLDHRCLPASAFNFSTCPGSGERRICSHHGVC SNEG
KCICQPDWTGKDCSIHNPLTPSPPTGETERYKGPSGTNIIIGSIAGAVLVAIVLGGTGWGFKNIRRGY
DPTQQGAV
    
```

TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: BC054536

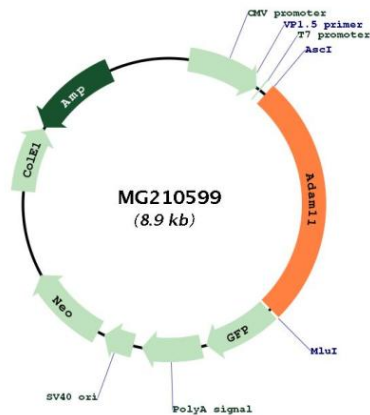
ORF Size: 2336 bp

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:** [BC054536](#), [AAH54536](#)
- RefSeq Size:** 4989 bp
- RefSeq ORF:** 2336 bp
- Locus ID:** 11488
- Cytogenetics:** 11 66.48 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. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. The protein encoded by this gene is believed to lack metalloproteinase activity due to the lack of a critical catalytic motif. Mice lacking the encoded protein exhibit defects in spatial learning, motor coordination and altered perception of pain. 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 MG210599