

Product datasheet for **MG210357**

Add1 (NM_001024458) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add1 (NM_001024458) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Add1
Synonyms:	AI256389
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210357 representing NM_001024458
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATGGTGACACTCGGGCCGAGTGGTGACCTCACCACCTCCAACCACAGCCCCTCACAAGGAGAGGT
ATTTTGACAGAGTCGATGAGAACAACCCAGAATATTTGCGGGAGAGGAACATGGCACCAGACCTTGTCA
GGACTTCAATATGATGGAGCAGAAGAAGAGGGTGTCTATGATTCTACAGAGTCCTGCCTTCTGTGAAGAG
CTGGAGTCTATGATACAGGAACAGTTTAAAGAAGGGCAAGAACCCACAGGCCTGTGGCATTGCAGCAGA
TTGCAGATTTTATGACGGCGAGTGTACCAATGTCTACCCGGCAGCTCCTCAAGGAGGAATGGCCGCCCT
GAACATGAGTCTTGGTATGGTTACTCCTGTGAATGACCTTAGAGGGTCCGATTCTATTGCATATGACAAA
GGGGAGAAGTTACTGCGGTGAACTGGCAGCATTTTACAGACTGGCAGATCTCTTTGGCTGGTCCCAGC
TTATCTACAATCATATCACAACCAGAGTGAACCTGAGCAGGAACACTTCTCATCGTACCTTTTGGACT
TCTCTACAGTGAAGTACTGCATCCAGCTTGGTTAAGGTCAATCTACAAGGAGATATAGTAGACCGTGGAA
AGTACTAACCTAGGGGTGAATCAGGCGGGCTTCACTCTGCACTCGGCAGTGTATGCTGCGCGACCAGATG
CCAAGTGTATTGTGCACATCCACACCCAGCGGGGCGAGCGGTCTCTGCGATGAAGTGTGGACTCTTGCC
TATCTCCCAGAGGCACTTTCCCTTGGAGATGTTGCTTATCATGACTATCATGGCATTCTGGTTGATGAA
GAGGAAAAATTTTATTGATTGAGAAAACTGGGCCCTAAAAGCAAGGTCTCATTCTGCGGAATCACGGAC
TCGTGTCAAGTGGAGAGAGCGTGGAGGAGGCTTCTATTACATCCATAACCTTGTGGTTGCATGTGAGAT
CCAGGTTCCGACTCTGGCAAGTGTGGAGGACCAGACACTTGTCTGCTGGATCCTGGGAAGTACAAA
GCCAAATCCCCTTCTCCAGGGACTCCAGCAGGGGAAGGCTCTGGATCACCTCCCAAGTGGCAGATTGGGG
AGCAGGAATTTGAAGCTTTATGCGGATGCTCGATAATCTGGGCTACAGAACTGGCTACCTTATCGATA
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TTTGCTAGTGATGGCGATTTCGGGCACTTCTCGCCGCTCAGGCACAGTTTTTCAGAAGCAGCAGCGAGAGA
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CCCAACCCCTTCAACACGCTGACAGACCGTGAAGTGAAGAAATACCGACGAGAGGTGGAGCGGAAGCAGA
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CCCCAACACTCCTCCAGTACTCCTGTCAAGCTTGAAGAAGACCTTCCCAGGAGCCGACATCCAGGGAC
GACAGTGTGCCACCACCTTCAAGCCGACGCCCTGACCTCTCCCCTGATGAGCCTTCAAGACTTGTG
CCTTCCAGCAGTGGAGGAGGAAGCCATGCTTCCCAGACCCCACTCAGCCCCCTGCTGAGGCTGACCC
TGAGCCAGCCTCAGCCCCAAGTCCAGGAGCTGAAGAGGTAGCCTCCCCTGCCACGGAGGAGGGTCTCCC
ATGGACCCTGGCAGTGTGGGTCTCCAGGCAAGTCCCATCCAAAAGAAGAAGAAGTCCGTACCCCGT
CCTTCTGAAGAAGAGCAAGAAGAAGAGTGACTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210357 representing NM_001024458
 Red=Cloning site Green=Tags(s)

MNGDTRAAVVTSPPPTTAPHKERYFDRVDENNPEYLRRNMAPDLRQDFNMMEQKKRVSMILQSPAFCEE
 LESMIQEYFKKGNPTGLLALQQIADFMTASVNVYPAAPQGGMAALNMSLGMVTPVNDLRGSDSIAYDK
 GEKLLRCKLAIFYRLADLFGWSQLIYNHITTRVNSEQEHFLIVPFGLLYSEVTASSLVKVNQGDIVDRG
 STNLGVNQAGFTLHSAVYAARPDAKCIVHIHTPAGAAVSAMKCGLLPISPEALSLGDVAYHDYHGILVDE
 EEKILIQKNLGPKSKVLILRNHGLVSVGESVEEAFYYIHNLVVACEIQVRTLASAGGPDNLVLLDPGKYK
 AKSRSPGTPAGEGSGSPPKWQIGEQEFEALMRMLDNLGYRTGYRYRYPALRERSKKYSDVEVPASVTGHS
 FASDGDSGTCSPLRHSFQKQREKTRWLNSSRGDDASEEGQNGSSPKSKTKWTKEDGHRTSTSAVPLFV
 PLNTNPKVEQEMRNKIREQNLQDIKTAGPQSQVLCGVMMDRSLVQGELVASKAIIKEYQPHVIVSTTG
 PNPFNLTLDRELEEYRREVERKQKQSEENLDETREKQESPPDQSAVPNTPPSTPVKLEEDLPQEPTSRD
 DSDATTFKPTPDLSPDEPSEALAFPAVEEEAHASPDPTQPPAEADPEPASAPTPGAEVSPATEEGSP
 MDPGSDGSPGKSPSKKKKFRTPSFLKSKKSDS

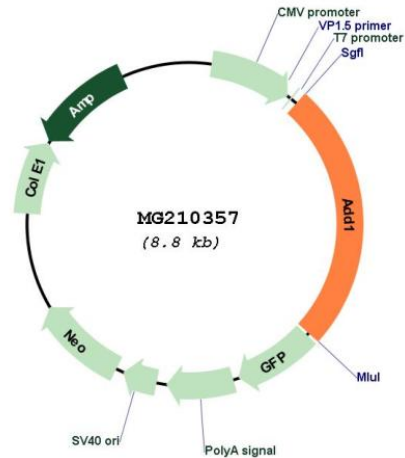
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001024458

ORF Size: 2205 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_001024458.2](#)

RefSeq Size: 3917 bp

RefSeq ORF: 2208 bp

Locus ID: 11518

UniProt ID: [Q9QYC0](#)

Cytogenetics: 5 17.9 cM

Gene Summary: Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.[UniProtKB/Swiss-Prot Function]