

Product datasheet for **MG220940**

Add1 (NM_013457) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add1 (NM_013457) 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:

>MG220940 representing NM_013457
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATGGTGACACTCGGGCCGAGTGGTGACCTCACCACCTCCAACCACAGCCCCTCACAAGGAGAGGT
 ATTTTGACAGAGTCGATGAGAACAACCCAGAATATTTGCGGGAGAGGAACATGGCACCAGACCTTGTCA
 GGACTTCAATATGATGGAGCAGAAGAAGAGGGTGTCTATGATTCTACAGAGTCCTGCCTTGTGAAGAG
 CTGGAGTCTATGATACAGGAACAGTTTAAAGAAGGGCAAGAACCCACAGGCCTGTGGCATTGCAGCAGA
 TTGCAGATTTTCTGACTGCGAGTGTACCAATGTCTACCCGGCAGCTCCTCAAGGAGGAATGGCCGCCCT
 GAACATGAGTCTTGGTATGGTCACTCCTGTGAATGACCTTAGAGGGTCCGATTCTATCGCATATGACAAA
 GGGGAGAAATTACTGCGGTGTAACCTGGCAGCATTTTACAGACTGGCAGATCTCTTTGGCTGGTCCCAGC
 TTATCTACAATCATATCACAACCAGAGTGAACCTGAGCAGGAACACTTCTCATCGTACCTTTTGGACT
 TCTCTACAGTGAAGTACTGCATCCAGCTTGGTTAAGGTCAATCTACAAGGAGATATAGTAGACCGTGG
 AGTACTAACCTAGGGGTGAATCAGGCGGGCTTCACTCTGCACTCGGCAGTGTATGCTGCGGACCCAGATG
 CCAAGTGTATTGTGCACATCCACACCCAGCGGGGCGAGCGGTCTCTGCGATGAAGTGTGGACTCTTGCC
 TATCTCCCGGAGGCACTTTCCCTTGGAGATGTTGCTTATCATGACTATCATGGCATTCTGGTTGATGAA
 GAGGAAAAATTTTATTGATTGAGAAAAATCTGGGCCCTAAAAGCAAGGTCTCATTCTGCGGAATCACGGAC
 TCGTGTCAAGTGGAGAGAGCGTGGAGGAGGCTTCTATTACATCCATAACCTTGTGGTTGCATGTGAGAT
 CCAGGTTCCGACTCTGGCAAGTCTGGAGGACCAGACACTTATTCTGCTGGATCCTGGGAAGTACAAA
 GCCAAATCCCGTTCTCCAGGGACTCCAGCAGGGGAAGGCTCTGGTACCTCCCAAGTGGCAGATGGGG
 AGCAGGAATTTGAAGCTTTATGCGGATGCTCGATAATCTGGGCTACAGAACTGGTACCCTTATCGATA
 CCCTGCTCTGAGAGAGAGATCTAAAAAGTACAGCGATGTGGAAGTCCCTGCCAGTGTACAGGCCACTCC
 TTTGCTAGTGATGGCGATTTCGGGCACTTCTCGCCGCTCAGGCACAGTTTTTCAAGAAGCAGCAGCAGAGA
 AGACAAGATGGCTGCACTCTGGCCGGGTGATGACGCTTCTGAGGAGGGGAGAACGGAAGCAGTCCCAA
 GTCGAAGACTAAGTGGACTAAAGAGGATGGACATAGAACTCCACCTCTGCTGTCCTAACCTGTTTGT
 CCATTGAACACTAACCCAAAAGAGGTCCAGGAGATGAGGAACAAGATTGAGAGCAGAAGTACAGGACA
 TTAAGACGGCAGGACCTCAGTCCAGGTTTTGTGGTGTGATGATGGACAGAAGCCTTGTTCAGGGGGA
 GCTGGTGACGGCCTCAAAGCCATCATTGAGAAGGAATACCAGCCCCATGTAATTGTGAGCACCACAGT
 CCCAACCCCTTAAACACGCTGACAGACCTGAACTGGAAGAATACCGACGAGAGTGGAGCGGAAGCAGA
 AGGGCTCTGAAGAGAACCTGGATGAGACAAGAGAGCAGAAAGAGAAGAGTCTCCAGACCAGTCACTGT
 CCCAACACTCCTCCAGTACTCTGTCAAGCTTGAAGAAGCAGGAGACGGATGTGCTAAAGGTACCTG
 TTACCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG220940 representing NM_013457
 Red=Cloning site Green=Tags(s)

MNGDTRAAVVTSPPTTAPHKERYFDRVDENNPEYLRERNMAPDLRQDFNMMEQKKRVSMILQSPAFCEE
 LESMIQEYFKGKNPTGLLALQQIADFMTASVPNVYPAAPQGGMAALNMSLGMVTPVNDLRGSDSIAYDK
 GEKLLRCKLAIFYRLADLFGWSQLIYNHITTRVNSEQEHLIVPFGLLYSEVTASSLVKVNQGDIVDRG
 STNLGVNQAGFTLHSAVYAARPDACIVHIHTPAGAAVSAMKCGLLPISPEALSLGDVAYHDYHGILVDE
 EEKILIQKNLGPVSKVLILRNHGLVSVGESVEEAFYIHNLVVACEIQVRTLASAGGPDNLVLLDPGKYK
 AKSRSPGTPAGEGSGSPPKWQIGEQEFEALMRMLDNLGYRTGYPYRYPALRERSKKYSDVEVPASVTGHS
 FASDGDSTGCSPLRHSFQKQREKTRWLHSGRGGDASEEGQNGSSPKSKTKWTKEDGHRSTSAVPLNFV
 PLNTNPKVEQEMRNKIREQNLQDIKTAGPQSQVLCGVMMDRSLVQGELVASKAIIIEKEYQPHVIVSTTG
 PNPFNLTLDRELEERREVERKQKQSEENLDETREKQEKSPDQSAVPNTPPSTPVKLEEAAGDGAKEYL
 LP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_013457

ORF Size: 1896 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_013457.4](#)

RefSeq Size: 3954 bp

RefSeq ORF: 1899 bp

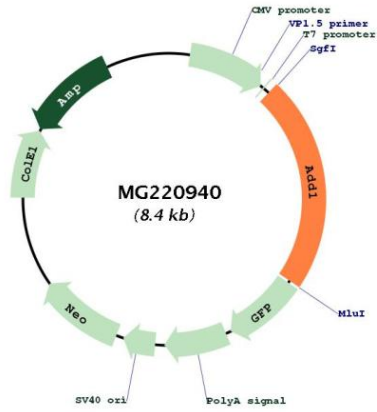
Locus ID: 11518

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]

Product images:



Circular map for MG220940