

Product datasheet for **MR220940**

Add1 (NM_013457) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add1 (NM_013457) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Add1
Synonyms:	AI256389
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>MR220940 representing NM_013457
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATGGTGACACTCGGGCCGAGTGGTGACCTCACCACCTCCAACCACAGCCCCTCACAAGGAGAGGT
ATTTTGACAGAGTCGATGAGAACAACCCAGAATATTTGCGGGAGAGGAACATGGCACAGACCTTGTCA
GGACTTCAATATGATGGAGCAGAAGAAGAGGGTGTCTATGATTCTACAGAGTCCTGCCTTGTGAAGAG
CTGGAGTCTATGATACAGGAACAGTTTAAAGAAGGGCAAGAACCCACAGGCCTGTGGCATTGCAGCAGA
TTGCAGATTTTCTGACTGCGAGTGTACCAATGTCTACCCGGCAGCTCCTCAAGGAGGAATGGCCGCCCT
GAACATGAGTCTTGGTATGGTCACTCCTGTGAATGACCTTAGAGGGTCCGATTCTATCGCATATGACAAA
GGGAGAAAGTTACTGCGGTGAACTGGCAGCATTTTACAGACTGGCAGATCTCTTTGGCTGGTCCCAGC
TTATCTACAATCATATCACAACCAGAGTGAACCTGAGCAGGAACACTTCTCATCGTACCTTTTGGACT
TCTCTACAGTGAAGTACTGCATCCAGCTTGGTTAAGGTCAATCTACAAGGAGATATAGTAGACCGTGG
AGTACTAACCTAGGGGTGAATCAGGCGGGCTTCACTCTGCACTCGGCAGTGTATGCTGCGGACCCAGATG
CCAAGTGTATTGTGCACATCCACACCCAGCGGGGCGAGCGGTCTCTGCGATGAAGTGTGGACTCTTGCC
TATCTCCCGGAGGCACTTTCCCTTGGAGATGTTGCTTATCATGACTATCATGGCATTCTGGTTGATGAA
GAGGAAAAATTTTATTGATTGAGAAAACTGGGCCCTAAAAGCAAGGTCTCATTCTGCGGAATCACGGAC
TCGTGTCAAGTGGAGAGAGCGTGGAGGAGGCTTCTATTACATCCATAACCTTGTGGTTGCATGTGAGAT
CCAGGTTCCGACTCTGGCAAGTCTGGAGGACCAGACAACCTAGTTCTGCTGGATCCTGGGAAGTACAAA
GCCAAATCCCCTTCTCCAGGGACTCCAGCAGGGGAAGGCTCTGGATCACCTCCAAGTGGCAGATTGGGG
AGCAGGAATTTGAAGCTTTATGCGGATGCTCGATAATCTGGGCTACAGAAGTGGTACCCTTATCGATA
CCCTGCTCTGAGAGAGAGATCTAAAAAGTACAGCGATGTGGAAGTCCCTGCCAGTGTACAGGCCACTCC
TTTGCTAGTGATGGCGATTCGGGCACTTCTCGCCGCTCAGGCACAGTTTTTCAGAAGCAGCAGCGAGAGA
AGACAAGATGGTGCCTCTGGCCGGGTGATGACGCTTCTGAGGAGGGGAGAACGGAAGCAGTCCCAA
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TTAAGACGGCAGGACCTCAGTCCAGGTTTTGTGGTGTGATGATGGACAGAAGCCTTGTTCAGGGGGA
GCTGGTGACGGCCTCAAAGCCATCATTGAGAAGGAATACCAGCCCCATGTAATTGTGAGCACACAGGT
CCCAACCCCTTCAACACGCTGACAGACCGTGAAGTGAAGAATACCGACGAGAGGTGGAGCGGAAGCAGA
AGGGCTCTGAAGAGAACCTGGATGAGACAAGAGAGCAGAAAGAGAAGAGTCTCCAGACCAGTCACTGT
CCCAACACTCCTCCAGTACTCTGTCAAGCTTGAAGAAGCAGGAGACGGATGTGCTAAAGGTACCTG
TTACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220940 representing NM_013457
 Red=Cloning site Green=Tags(s)

MNGDTRAAVVTSPPTTAPHKERYFDRVDENNPEYL RERNMAPDLRQDFNMQKRVSMILQSPAFCEE
 LESMIQEQFKGKNPTGLLLALQQIADFMTASVPNVYPAAPQGGMAALNMSLGMVTPVNDLRGSDSIAYDK
 GEKLLRCKLAIFYRLADLFGWSQLIYNHITTRVNSEQEHFLIVPFGLLYSEVTASSLVKVNLRQGDIVDRG
 STNLGVNQAGFTLHSAVYAARPDACIVHIHTPAGA AVSAMKCGLLPISPEALSLGDVAYHDYHGILVDE
 EEKILIQKNLGPKSKVLILRNHGLVSVGESVEEAFYYIHNLVVACEIQVRTLASAGGPDNLVLLDPGKYK
 AKSRSPGTPAGEGSGSPPKWQIGEQEFEALMRMLDNLGYRTGYRYRYPALRERSKKYSDVEVPASVTGHS
 FASDGDSGTCSPLRHSFQKQREKTRWLHSGRGDDASEEGQNGSSPKSKTKWKEDGHRTSTSAVPNLFV
 PLNTNPKEVQEMRNKIREQNLQDIKTAGPQSQVLCGVMMDRSLVQGELVASKAIIIEKEYQPHVIVSTTG
 PNPFNLTLDRELEEYRREVERKQKQSEENLDETREQKEKSPDQSAVPNTPPSTPVKLEEAGDCAKEYL
 LP

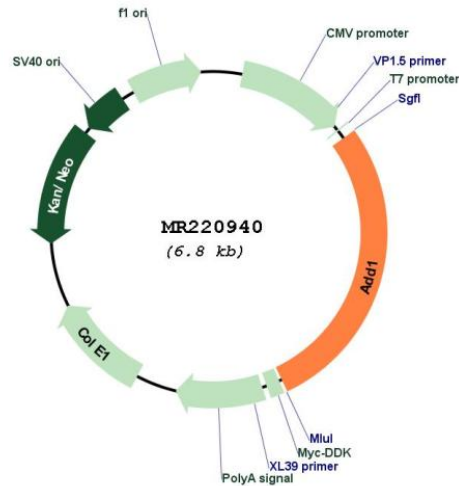
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


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
MW:	70.3 kDa
Gene Summary:	Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.[UniProtKB/Swiss-Prot Function]