

Product datasheet for **MR210357**

Add1 (NM_001024458) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add1 (NM_001024458) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Add1
Synonyms:	AI256389
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210357 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGGTGACACTCGGGCCGAGTGGTGACCTCACCACCTCCAACCACAGCCCCTCACAAGGAGAGGT
 ATTTTGACAGAGTCGATGAGAACAACCCAGAATATTTGCGGGAGAGGAACATGGCACCAGACCTTGTCA
 GGACTTCAATATGATGGAGCAGAAGAAGAGGGTGTCTATGATTCTACAGAGTCCCTGCCTTCTGTGAAGAG
 CTGGAGTCTATGATACAGGAACAGTTTAAAGAAGGGCAAGAACCCACAGGCCTGTGGCATTGCAGCAGA
 TTGCAGATTTTATGACGGCGAGTGTACCAATGTCTACCCGGCAGCTCCTCAAGGAGGAATGGCCGCCCT
 GAACATGAGTCTTGGTATGGTTACTCCTGTGAATGACCTTAGAGGGTCCGATTCTATTGCATATGACAAA
 GGGGAGAAAGTTACTGCGGTGTAACCTGGCAGCATTTTACAGACTGGCAGATCTCTTTGGCTGGTCCCAGC
 TTATCTACAATCATATCACAACCAGAGTGAACCTGAGCAGGAACACTTCTCATCGTACCTTTTGGACT
 TCTCTACAGTGAAGTACTGCATCCAGCTTGGTTAAGGTCAATCTACAAGGAGATATAGTAGACCGTGGAA
 AGTACTAACCTAGGGGTGAATCAGGCGGGCTTCACTCTGCACTCGGCAGTGTATGCTGCGCGACCAGATG
 CCAAGTGTATTGTGCACATCCACACCCAGCGGGGCGAGCGGTCTCTGCGATGAAGTGTGGACTCTTGCC
 TATCTCCCAGAGGCACTTTCCCTTGGAGATGTTGCTTATCATGACTATCATGGCATTCTGGTTGATGAA
 GAGGAAAAATTTTATTGATTGAGAAAAATCTGGGCCCTAAAAGCAAGGTCTCATTCTGCGGAATCACGGAC
 TCGTGTCAAGTGGAGAGAGCGTGGAGGAGGCTTCTATTACATCCATAACCTTGTGGTTGCATGTGAGAT
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 GCCAAATCCCCTTCTCCAGGGACTCCAGCAGGGGAAGGCTCTGGATCACCTCCCAAGTGGCAGATTGGGG
 AGCAGAAATTTGAAGCTTTATGCGGATGCTCGATAATCTGGGCTACAGAAGTGGCTACCTTATCGATA
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 TTTGCTAGTGATGGCGATTTCGGGCACTTCTCGCCGCTCAGGCACAGTTTTTTCAGAAGCAGCAGCGAGAGA
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 TTAAGACGGCAGGACCTCAGTCCAGGTTTTGTGGTGTGATGATGGACAGAAGCCTTGTTCAGGGGGA
 GCTGGTGACGGCCTCAAAGCCATCATTGAGAAGGAATACCAGCCCCATGTAATTGTGAGCACCACAGGT
 CCCAACCCCTTCAACACGCTGACAGACCGTGAACCTGGAAGAATACCGACGAGAGGTGGAGCGGAAGCAGA
 AGGGCTCTGAAGAGAACCTGGATGAGACAAGAGAGCAGAAAGAGAAGAGTCCCTCCAGACCAGTCACTGT
 CCCCAACTCTCCAGTACTCCTGTCAAGCTTGAAGAAGACCTTCCCAGGAGCCGACATCCAGGGAC
 GACAGTGTGCCACCACCTTCAAGCCGACGCCCTGACCTCTCCCCTGATGAGCCTTTCAGAAGCACTTG
 CCTTCCAGCAGTGGAGGAGGAAGCCATGCTTCCCAGACCCCACTCAGCCCCCTGCTGAGGCTGACCC
 TGAGCCAGCCTCAGCCCCAAGTCCAGGAGCTGAAGAGGTAGCCTCCCCTGCCACGGAGGAGGGTCTCCC
 ATGGACCCTGGCAGTGTGGGTCTCCAGGCAAGTCCCATCCAAAAGAAGAAGAAGTCCCGTACCCCGT
 CCTTCTGAAGAAGAGCAAGAAGAAGAGTGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210357 protein sequence
Red=Cloning site Green=Tags(s)

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MNGDTRAAVVTSPPTTAPHKERYFDRVDENNPEYLRRNMAPDLRQDFNMMEQKKRVSMILQSPAFCEE
LESMIQEQFKGKNPTGLLALQQIADFMTASVNVVYPAAPQGGMAALNMSLGMVTPVNDLRGSDSIAYDK
GEKLLRCKLAIFYRLADLFGWSQLIYNHITTRVNSEQEHFLIVPFGLLYSEVTASSLVKVNQGDIVDRG
STNLGVNQAGFTLHSAVYAARPDACIVHIHTPAGAASVAMKCGLLPISPEALSLGDVAYHDYHGILVDE
EEKILIQKNLGPVSKVLILRNHGLVSVGESVVEAFYYIHNLVVACEIQVRTLASAGGPDNLVLLDPGKYK
AKSRSPGTPAGEGSGSPPKWQIGEQEFEALMRMLDNLGYRTGYPYRYPALRERSKKYSDVEVPASVTGHS
FASDGDSGTCSPLRHSFQKQREKTRWLNNSGRGDDASEEGQNGSSPKSKTKWKEDGHRTSTSAVPNLFV
PLNTNPKVEQEMRNKIREQNLQDIKTAGPQSQVLCGVMMDRSLVQGELVASKAIIEKEYQPHVIVSTTG
PNPFNTLTDRELEEYRREVERKQKQSEENLDETREKQKSPDQSAVPNTPPSTPVKLEEDLPQEPTSRD
DSDATTFKPTPPDLSPDEPSEALAFPAVEEEAHASPDPTQPPAEADPEPASAPTPGAEVAVASPAVEEGSP
MDPGSDGSPGKSPSKKKKFRTPSFLKSKKSDS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001024458

ORF Size: 2208 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

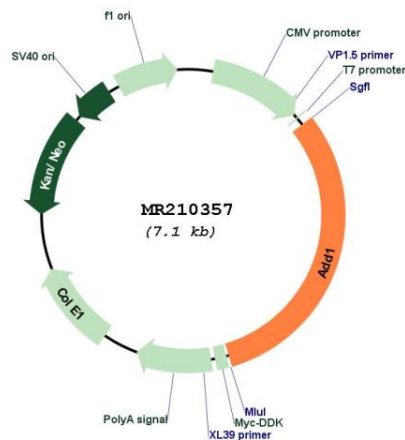
UniProt ID: [Q9QYC0](#)

Cytogenetics: 5 17.9 cM

MW: 80.6 kDa

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 MR210357