

Product datasheet for **MC220230**

Add1 (NM_001102444) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add1 (NM_001102444) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Add1
Synonyms:	AI256389
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220230 representing NM_001102444
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGGTGACACTCGGGCCGAGTGGTGACCTCACCACCTCCAACCACAGCCCCTCACAAGGAGAGGT
 ATTTTGACAGAGTCGATGAGAACAACCCAGAATATTTGCGGGAGAGGAACATGGCACCAGACCTTGTCA
 GGACTTCAATATGATGGAGCAGAAGAAGAGGGTGTCTATGATTCTACAGAGTCCTGCCTTGTGAAGAG
 CTGGAGTCTATGATACAGGAACAGTTTAAAGAAGGGCAAGAACCCACAGGCCTGTGGCATTGCAGCAGA
 TTGCAGATTTTCTGACTGCGAGTGTACCAATGTCTACCCGGCAGCTCCTCAAGGAGGAATGGCCGCCCT
 GAACATGAGTCTTGGTATGGTCACTCCTGTGAATGACCTTAGAGGGTCCGATTCTATCGCATATGACAAA
 GGGGAGAAAGTTACTGCGGTGAACTGGCAGCATTTTACAGACTGGCAGATCTCTTTGGTGGTCCCAGC
 TTATCTACAATCATATCACAACCAGAGTGAACCTGAGCAGGAACACTTCTCATCGTACCTTTTGGACT
 TCTCTACAGTGAAGTACTGCATCCAGCTTGGTTAAGGTCAATCTACAAGGAGATATAGTAGACCGTGG
 AGTACTAACCTAGGGGTGAATCAGGCGGGCTTCACTCTGCACTCGGCAGTGTATGCTGCGGACCCAGATG
 CCAAGTGTATTGTGCACATCCACACCCAGCGGGGCGAGCGGTCTCTGCGATGAAGTGTGGACTCTTGCC
 TATCTCCCGGAGGCACTTCCCTTGGAGATGTTGCTTATCATGACTATCATGGCATTCTGGTTGATGAA
 GAGGAAAAATTTTGATTGAGAAAAATCTGGGCCCTAAAAGCAAGGTCTCATTCTGCGGAATCACGGAC
 TCGTGTCAAGTGGAGAGAGCGTGGAGGAGGCTTCTATTACATCCATAACCTTGTGGTTGCATGTGAGAT
 CCAGGTTCCGACTCTGGCAAGTCTGGAGGACCAGACACTTGTCTGCTGGATCCTGGGAAGTACAAA
 GCCAAATCCCGTTCTCCAGGGACTCCAGCAGGGGAAGGCTCTGGATCACCTCCCAAGTGGCAGATTGGGG
 AGCAGGAATTTGAAGCTTTATGCGGATGCTCGATAATCTGGGCTACAGAACTGGCTACCTTATCGATA
 CCTGCTCTGAGAGAGAGATCTAAAAAGTACAGCGATGTGGAAGTCCCTGCCAGTGTACAGGCCACTCC
 TTTGCTAGTGATGGCGATTTCGGGCACTTCTCGCCGCTCAGGCACAGTTTTTCAGAAGCAGCAGCGAGAGA
 AGACAAGATGGCTGCACTCTGGCCGGGTGATGACGCTTCTGAGGAGGGGCGAAGCAGTCCCAA
 GTCGAAGACTAAGGTGTGGACGAACATTACACACGATCACGTGAAACCCTTGCTGCACTCTCTCGTCC
 GGTGTCTGCTGCCAAGCTGTATTACCAACTGCTTGTGGACTAAAGAGGATGGACATAGAAGTCCACCT
 CTGCTGCCCTAACCTGTTTGTCCATTGAACACTAACCCAAAAGAGTCCAGGAGATGAGGAACAAGAT
 TCGAGAGCAGAACTTACAGGACATTAAGACGGCAGGACCTCAGTCCAGGTTTTGTGGTGTGATGATG
 GACAGAAGCCTTGTTCAGGGGAGCTGGTGACGGCCTCAAAGCCATCATTGAGAAGGAATACCAGCCCC
 ATGTAATTGTGAGCACCAGGTCCTCAACCCCTTCAACACGCTGACAGACCGTGAAGTGAAGAATACCG
 ACGAGAGGTGGAGCGGAAGCAGAAGGGCTCTGAAGAGAACCTGGATGAGACAAGAGAGCAGAAAGAGAAG
 AGTCTCCAGACCAGTCACTGTCCCAACTCCTCCAGTACTCCTGTCAAGCTTGAAGAAGCAGGAG
 ACGGATGTGCTAAAGGTACCTGTTACCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001102444
- Insert Size:** 1992 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001102444.1](#), [NP_001095914.1](#)

RefSeq Size: 4047 bp

RefSeq ORF: 1992 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]
Transcript Variant: This variant (3) uses an alternate in-frame splice junction at the end of an exon and has an alternate exon compared to variant 1 that contains an in-frame stop codon. The resulting isoform (3) contains an internal 31 aa segment not found in isoform 1, but it is still shorter and has a distinct C-terminus compared to isoform 1.