

Product datasheet for **MC220333**

Add3 (NM_001164100) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add3 (NM_001164100) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Add3
Synonyms:	A1463285; R75380
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220333 representing NM_001164100
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGGACACCAGCCAGCTGTGGTTACCACGCCTCCTCCTCCAGCATGCCTCACAAAGAGAGGT
 ATTTTGACCGAATCAATGAAAGTGATCCGGAATACCTTCGAGAGAGGAACATGTCTCCTGATCTACGACA
 GGACTTCAATATGATGGAGCAGAGGAAGCGAGTCACTCAGATCCTGCAGAGCCCTGCCTTTCGGGAAGAC
 CTGGAATGCCTCATCCAAGAGCAGATGAAGAAAGGCCACAACCAAGCGGCTTATTAGCGTTACAGCAGA
 TTGCGGATTACATCGTGACCAGCTCCTTCTCGGGCTTCTCCTCGCCCTCCTGAGTCTTGGCATGGTCAC
 ACCTATTAATGACCTTCTGGTGCAGATACATCCTCGTATGTGAAGGGAGAAAAGCTTACTCGTGCAAA
 CTTGCCAGCCTACAGGCTTGCAGACTGTTTGGGTGGGCGCACCTGGCAAATACGTACATCTCGGTAC
 GAATAAGTAAGGAGCAAGACCACATTATAATAATCCAGAGGCCTCTTTTTTGAAGCGACAGCCTC
 CACTTTGGTGAAGTCAACATAATCGGAGAAGTGGTGGACCAGGGGAGCACTGATCTGAAAATCGACCAC
 ACGGGCTTCAGCCCGCATGCTGCCATCTATTCAACACGCCCCGATGTGAAGTGTGTGATCCACATCCACA
 CCCTTGCCACAGCAGCGGTGCTCCATGAAGTGTGGGATCCTTCCAATTTCCAAGAGTCTCTCATCCT
 GGGAGATGTGCGCTACTATGACTACCAGGGTGCCTTGATGAGGAGGAAGAAAGAATTGAACTTCAGAAA
 GTGCTGGGTCCAAGCTGAAGGTGCTCGTCTCAGGAACCATGGCATGGTGGCTCTTGGCGAGACCCCTCG
 AGGAGGCTTTCCATTACATCTTTAATGTACAGATGGCCTGTGAGATCCAGGTGCAGGCAGTAGCAGGGGC
 AGGCGGAGTAGACAATCTGCTCGTACTGGATCTTCAGAAATATAAAGCTTTCACCCACGGTGTGCCATG
 TCTGGAGGAGGCGGTGTAACATGGCTTCCCATCAGAAGTGAAGGTTGGCGAGATTGAGTTTGAAGGGC
 TGATGAGGACCCTGACAACCTGGGCTACAGAACAGGCTATGCGTACAGGCATCCTTGGTCCGAGAGAA
 GCCTAGGCACAAGAGTGACGTGGAGATCCCTGCAACCGTGAAGTGCCTTCTCCTTTGAAGATGACAGTGCT
 CCACTCTCTCCCCTCAAGTTCATGGCACAGAGACAGCAGCGTGAAAAACAAGATGGCTGAATTCACCAA
 ATACTTACATGAAGGTGAATGTGCCGGAGGAGTCTCGAACGGGGAAACTAGTCCCAGGACCAAAATCAC
 GTGGATGAAAGCAGAAGACTCCTCTAAAGTCAGTAGTGGGACACCGATCAAAATTGAAGACCCCAATCAG
 TTTGTTCTTTAAACACAAACCCGACGGAGGTGCTAGAAAAGAGAAATAAGATCCGGGAACAGAATCGCT
 ATGATCTGAAGACAGCAGGGCCGAGTCTCAGCTGCTGGCGGGATCGTTGTGGACAAGCCGCTTCGAC
 CATGCAGTTTGACGATGACGATCAGGGCCACCAGCTCCTCTAACCCATTAGCCACCTCTGGAAGGA
 GAACTGGAAGAGTATACGAAGACAATCGAGAGAAAGCAGCAAGGCCTGGACGAAAACCACGAGCTGTTTT
 CCAAGAGCTTCACTCCATGGACGCGCCTGTATGATCATGAACGGCAAGGACGAGATGCATGATGTCGA
 AGACGAGCTTGCTCAGCGAGTCAGTAGGCTGACCACAAGCACGACCATAGAGAACATCGAGATCACCATT
 AAGTCCCCAGAAAGAAGTGAAGAGGTCTGTGCGCTGATGGCTCACCTTCAAAGTCGCCCTCCAAGAAAA
 AGAAGAAATTCGCACGCCTTCTTTTCTCAAAAAGAACAAAAAAGGAGAAAGTTGAGGCCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164100
- Insert Size:** 2025 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_001164100.2](#), [NP_001157572.1](#)

RefSeq Size: 4415 bp

RefSeq ORF: 2025 bp

Locus ID: 27360

UniProt ID: [Q9QYB5](#)

Cytogenetics: 19 47.18 cM

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

Transcript Variant: This variant (3) differs in the 5' UTR and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Both variants 3 and 4 encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.