

Product datasheet for **MR230943**

Add3 (NM_001277100) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add3 (NM_001277100) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Add3
Synonyms:	A1463285; R75380
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR230943 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTTCGGACACCAGCCAGCTGTGGTTACCACGCCTCCTCCTCCAGCATGCCTCACAAAGAGAGGT
ATTTTGACCGAATCAATGAAAGTGATCCGGAATACCTTCGAGAGAGGAACATGTCTCCTGATCTACGACA
GGACTTCAATATGATGGAGCAGAGGAAGCGAGTCACTCAGATCCTGCAGAGCCCTGCCTTTCGGGAAGAC
CTGGAATGCCTCATCCAAGAGCAGATGAAGAAAGGCCACAACCCAAGCGGCTTATTAGCGTTACAGCAGA
TTGCGGATTACATCGTGACCAGCTCCTTCTCGGGCTTCTCCTCGCCCTCCTGAGTCTTGGCATGGTCAC
ACCTATTAATGACCTTCTGGTGCAGATACATCCTCGTATGTGAAGGGAGAAAAGCTTACTCGTGCAAA
CTTGCCAGCCTCTACAGGCTTGCAGACTGTTTGGGTGGGCGCACCTGGCAAATACGTACATCTCGGTAC
GAATAAGTAAGGAGCAAGACCACATTATAATAATCCAGAGGCCTCTTTTTTGAAGCGACAGCCTC
CACTTTGGTGAAGTCAACATAATCGGAGAAGTGGTGGACCAGGGGAGCACTGATCTGAAAATCGACCAC
ACGGGCTTCAGCCCGCATGCTGCCATCTATTCAACACGCCCCGATGTGAAGTGTGTGATCCACATCCACA
CCCTTGCCACAGCAGCGGTGCCTCCATGAAGTGTGGGATCCTTCCAATTTCCAAGAGTCTCTCATCCT
GGGAGATGTGCGCTACTATGACTACCAGGGTGCCTTGATGAGGAGGAAGAAAGAATTGAACTTCAGAAA
GTGCTGGGTCCAAGCTGAAGGTGCTCGTCTCAGGAACCATGGCATGGTGGCTCTTGGCGAGACCTCG
AGGAGGCTTTCCATTACATCTTTAATGTACAGATGGCCTGTGAGATCCAGGTGCAGGCAGTAGCAGGGGC
AGGCGGAGTAGACAATCTGCTCGTACTGGATCTTCAGAAATATAAAGCTTTCACCCACGGTGTGCCATG
TCTGGAGGAGCGGTGTAACATGGCTTCCCATCAGAAGTGAAGGTTGGCGAGATTGAGTTTGAAGGGC
TGATGAGGACCCTGGACAACCTGGGCTACAGAACAGGCTATGCGTACAGGCATCCTCTGGTCCGAGAGAA
GCCTAGGCACAAGAGTGACGTGGAGATCCCTGCAACCGTGAAGTGCCTTCTCCTTTGAAGATGACAGTGT
CCTCTCTCCCCCTCAAGTTCATGGCACAGAGACAGCAGCGTGAAAAACAAGATGGCTGAATTCACCAA
ATACTTACATGAAGGTGAATGTGCCGGAGGAGTCTCGAACGGGGAAACTAGTCCCAGGACCAAAATCAC
GTGGATGAAAGCAGAAGACTCCTCTAAAGTCAGTAGTGGGACACCGATCAAAATTGAAGACCCCAATCAG
TTTGTCTTTAAACACAAACCCGACGGAGGTGCTAGAAAAGAGAAATAAGATCCGGGAACAGAATCGCT
ATGATCTGAAGACAGCAGGGCCGAGTCTCAGCTGCTGGCGGGATCGTTGTGGACAAGCCGCCTTCGAC
CATGCAGTTTGACGATGACGATCAGGGCCACCAGCTCCTCCTAACCCATTGAGCCACCTCTGGAAGGA
GAACTGGAAGAGTATACGAAGACAATCGAGAGAAAGCAGCAAGGCCTGGACGACGCTGAGCAGGGGTAC
TCTCAGACGACGCTGCATCTGTTTCACAAATTCAGTCTCAAACCTCAGTACCCGCAGAGTGTCCCTGAGAG
ATTAGAAGAAAACACGAGCTGTTTTCCAAGAGCTTACCTCCATGGACGCGCCTGTCATGATCATGAAC
GGCAAGGACGAGATGCATGATGTGAAGACGAGCTTGCTCAGCGAGTCAAGTGGTACCACAAGCACGA
CCATAGAGAACATCGAGATCACCATTAAGTCCCGAAGAAACTGAAGAGGTCTGTGCGCTGATGGCTC
ACCTTCAAAGTCGCCCTCAAGAAAAAGAAGAAATTCGACACGCCTTCTTTTCTCAAAAAGAACAAAAA
AAGGAGAAAGTTGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230943 protein sequence
 Red=Cloning site Green=Tags(s)

MSSDTPSPAVVTTPPPPSMPHKERYFDRINESDPEYLRRNMSPDLRQDFNMMEQRKRVTQILQSPAFRED
 LECLIQEQMKKGHNPSGLLALQQIADYIVTSSFSGFSSPSLSLGMVTPINDLPGADTSSYVKGKELTRCK
 LASLYRLADLFGWAHLANTYISVRISKEQDHIIIPRGLSFSEATASTLVKVNIIIGEVVDQGSTDLKIDH
 TGFSPHAAIYSTRPDVKCVIHIHTLATAAVSSMKCGILPISQESLILGDVAYDYQGSLEEEERIELQK
 VLGPSCKVLVLRNHGMVALGETLEEFHYIFNVQMACEIQVQAVAGAGGVNDLLVLDLQKYKAFTHGVAM
 SGGGGVNMASHQKWKVGEIEFEGLMRTLNDLGYRTGYAYRHPLVREKPRHKSDVEIPATVTAFFEDDSA
 PLSPLKFMAQRQQREKTRWLNPNNTYMKVNVPEESRNGETSPRTKITWMKAEDSSKVSSGTPIKIEDPNQ
 FVPLNTNPTEVLEKRNKIREQNRDYLKTAGPQSQLLAGIVVDKPPSTMQFDDDDQPPAPPNPFSHLLEG
 ELEEYTKTIERKQQLDDAEQGSLSDDAASVSQIQSQTQSPQSVPERLEENHELFSKSFSTSM DAPVMIMN
 GKDEMHDVEDELAQRVSRLTTSTTIENIEITIKSPERTEEVLSPDGSPKSPSKKKKKFRTPSFLKKNKK
 KEKVEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001277100

ORF Size: 2121 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_001277100.1](#), [NP_001264029.1](#)

RefSeq Size: 4511 bp

RefSeq ORF: 2121 bp

Locus ID: 27360

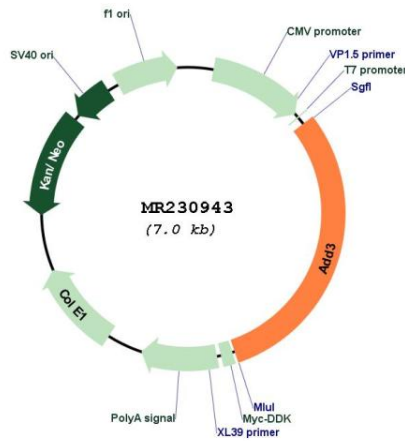
UniProt ID: [Q9QYB5](#)

Cytogenetics: 19 47.18 cM

MW: 78.8 kDa

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]

Product images:



Circular map for MR230943