

Product datasheet for **MR223289**

Add3 (NM_001164099) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add3 (NM_001164099) 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:**

>MR223289 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGGACACCAGCCAGCTGTGGTTACCACGCCTCCTCCTCCAGCATGCCTCACAAAGAGAGGT
 ATTTTGACCGAATCAATGAAAGTGATCCGGAATACCTTCGAGAGAGGAACATGTCTCCTGATCTACGACA
 GGACTTCAATATGATGGAGCAGAGGAAGCGAGTCACTCAGATCCTGCAGAGCCCTGCCTTTCGGGAAGAC
 CTGGAATGCCTCATCCAAGAGCAGATGAAGAAAGGCCACAACCCAAGCGGCTTATTAGCGTTACAGCAGA
 TTGCGGATTACATCGTGACCAGCTCCTTCTCGGGCTTCTCCTCGCCCTCCTGAGTCTTGGCATGGTCAC
 ACCTATTAATGACCTTCTGGTGCAGATACATCCTCGTATGTGAAGGGAGAAAAGCTTACTCGTGCAAA
 CTTGCCAGCCTACAGGCTTGCAGACTGTTTGGGTGGGCGCACCTGGCAAATACGTACATCTCGGTAC
 GAATAAGTAAGGAGCAAGACCACATTATAATAATCCAGAGGCCTCTTTTTTCTGAAGCGACAGCCTC
 CACTTTGGTGAAGTCAACATAATCGGAGAAGTGGTGGACCAGGGGAGCACTGATCTGAAAATCGACCAC
 ACGGGCTTCAGCCCGCATGCTGCCATCTATTCAACACGCCCCGATGTGAAGTGTGTGATCCACATCCACA
 CCCTTGCCACAGCAGCGGTGCTCCATGAAGTGTGGGATCCTTCCAATTTCCAAGAGTCTCTCATCCT
 GGGAGATGTGCGCTACTATGACTACCAGGGTGCCTTGATGAGGAGGAAGAAAGAATTGAACTTCAGAAA
 GTGCTGGGTCCAAGCTGAAGGTGCTCGTCTCAGGAACCATGGCATGGTGGCTCTTGGCGAGACCCCTCG
 AGGAGGCTTTCCATTACATCTTTAATGTACAGATGGCCTGTGAGATCCAGGTGCAGGCAGTAGCAGGGGC
 AGGCGGAGTAGACAATCTGCTCGTACTGGATCTTCAGAAATATAAAGCTTTCACCCACGGTGTGCCATG
 TCTGGAGGAGGCGGTGTAACATGGCTTCCCATCAGAAGTGAAGGTTGGCGAGATTGAGTTTGAAGGGC
 TGATGAGGACCCTGGACAACCTGGGCTACAGAACAGGCTATGCGTACAGGCATCCTCTGGTCCGAGAGAA
 GCCTAGGCACAAGAGTGACGTGGAGATCCCTGCAACCGTGAAGTGCCTTCTCCTTTGAAGATGACAGTGCT
 CCACTCTCTCCCCTCAAGTTCATGGCACAGAGACAGCAGCGTGAAAAACAAGATGGCTGAATTCACCAA
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 GTGGATGAAAGCAGAAGACTCCTCTAAAGTCAGTAGTGGGACACCGATCAAAATTGAAGACCCCAATCAG
 TTTGTTCTTTAAACACAAACCCGACGGAGGTGCTAGAAAAGAGAAATAAGATCCGGGAACAGAATCGCT
 ATGATCTGAAGACAGCAGGGCCGAGTCTCAGCTGCTGGCGGGATCGTTGTGGACAAGCCGCCTTCGAC
 CATGCAGTTTGACGATGACGATCAGGGCCACCAGCTCCTCCTAACCCATTGAGCCACCTCTGGAAGGA
 GAACTGGAAGAGTATACGAAGACAATCGAGAGAAAGCAGCAAGGCCTGGACGACGCTGAGCAGGGGTAC
 TCTCAGACGACGCTGCATCTGTTTCACAAATTCAGTCTCAAACCTCAGTACCCGCAGAGTGTCCCTGAGAG
 ATTAGAAGAAAACACGAGCTGTTTTCCAAGAGCTTACCTCCATGGACGCGCCTGTCATGATCATGAAC
 GGCAAGGACGAGATGCATGATGTGAAGACGAGCTTGCTCAGCGAGTCAAGTAGGCTGACCACAAGCACGA
 CCATAGAGAACATCGAGATCACCATTAAGTCCCGAAGAAACTGAAGAGGTCCTGTGCGCTGATGGCTC
 ACCTTCAAAGTCGCCCTCCAAGAAAAGAAGAAATTCGACACGCCTTCTTTTCTCAAAAAGAACAAAAAA
 AAGGAGAAAGTTGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223289 protein sequence
Red=Cloning site Green=Tags(s)

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MSSDTPSPAVVTTPPPPSPMPHKERYFDRINESDPEYLRRNMSPDLRQDFNMMEQRKRVTQILQSPAFRED
LECLIQEQQMKKGHNPSGLLALQQIADYIVTSSFSGFSSPSLSLGMVTPINDLPGADTSSYVKGKELTRCK
LASLYRLADLFGWAHLANTYISVRISKEQDHIIIPRGLSFSEATASTLVKVNIIIGEVVDQGSTDLKIDH
TGFSPHAAIYSTRPDVKCVIHIHTLATAAVSSMKCGILPISQESLILGDVAYDYQGSLEEEERIELQK
VLGPSCVKLVLRNHGMVALGETLEEFHYIFNVQMACEIQVQAVAGAGGVNDLLVLDLQKYKAFTHGVAM
SGGGGVNMASHQKWKVGEIEFEGLMRTLNDLGYRTGYAYRHPLVREKPRHKSDVEIPATVTAFFEDDSA
PLSPLKFMAQRQQREKTRWLNPNNTYMKVNVPEESRNGETSPRTKITWMKAEDSSKVSSGTPIKIEDPNQ
FVPLNTNPTEVLEKRNKIREQNRDYLKTAGPQSQLLAGIVVDKPPSTMQFDDDDQPPAPPNPFSHLLEG
ELEEYTKTIERKQQLDDAEQGSLSDDAASVSQIQSQTQSPQSVPERLEENHELFSKSFSTSMAPVMIMN
GKDEMHDVEDELAQRVSRLTTSTTIENIEITIKSPERTEEVLSPDGSPSKSPSKKKKKFRTPSFLKKNKK
KEKVEA
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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_001164099

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_001164099.2](#), [NP_001157571.1](#)

RefSeq Size: 4449 bp

RefSeq ORF: 2121 bp

Locus ID: 27360

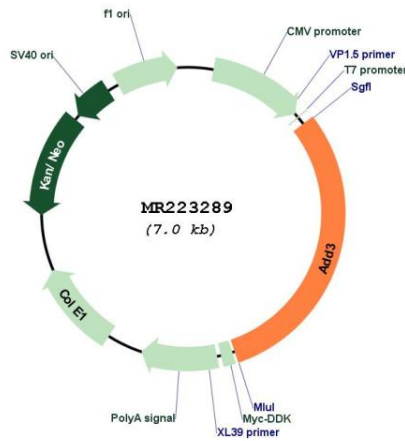
UniProt ID: [Q9QYB5](#)

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 MR223289