

Product datasheet for **MG223289**

Add3 (NM_001164099) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Add3 (NM_001164099) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Add3
Synonyms:	A1463285; R75380
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG223289 representing NM_001164099
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCGGACACCAGCCAGCTGTGGTTACCACGCCTCCTCCTCCAGCATGCCTCACAAAGAGAGGT
 ATTTTGACCGAATCAATGAAAGTGATCCGGAATACCTTCGAGAGAGGAACATGTCTCCTGATCTACGACA
 GGACTTCAATATGATGGAGCAGAGGAAGCGAGTCACTCAGATCCTGCAGAGCCCTGCCTTTCGGGAAGAC
 CTGGAATGCCTCATCCAAGAGCAGATGAAGAAAGGCCACAACCCAAGCGGCTTATTAGCGTTACAGCAGA
 TTGCGGATTACATCGTGACCAGCTCCTTCTCGGGCTTCTCCTCGCCCTCCTGAGTCTTGGCATGGTCAC
 ACCTATTAATGACCTTCTGGTGCAGATACATCCTCGTATGTGAAGGGAGAAAAGCTTACTCGCTGCAAA
 CTTGCCAGCCTTACAGGCTTGCAGACTGTTTGGGTGGGCGCACCTGGCAAATACGTACATCTCGGTAC
 GAATAAGTAAGGAGCAAGACCACATTATAATAATCCAGAGGCCTCTTTTTTGAAGCGACAGCCTC
 CACTTTGGTGAAGTCAACATAATCGGAGAAGTGGTGGACCAGGGGAGCACTGATCTGAAAATCGACCAC
 ACGGGCTTCAGCCCGCATGCTGCCATCTATTCAACACGCCCCGATGTGAAGTGTGTGATCCACATCCACA
 CCCTTGCCACAGCAGCGGTGCTCCATGAAGTGTGGGATCCTTCCAATTTCCAAGAGTCTCTCATCCT
 GGGAGATGTGCGCTACTATGACTACCAGGGTGCCTTGATGAGGAGGAAGAAAGAATTGAACTTCAGAAA
 GTGCTGGGTCCAAGCTGAAGGTGCTCGTCTCAGGAACCATGGCATGGTGGCTCTTGGCGAGACCTCG
 AGGAGGCTTTCCATTACATCTTTAATGTACAGATGGCCTGTGAGATCCAGGTGCAGGCAGTAGCAGGGGC
 AGGCGGAGTAGACAATCTGCTCGTACTGGATCTTCAGAAATATAAAGCTTTCACCCACGGTGTGCCATG
 TCTGGAGGAGCGGTGTAACATGGCTTCCATCAGAAGTGAAGGTTGGCGAGATTGAGTTTGAAGGGC
 TGATGAGGACCTGGACAACCTGGGCTACAGAACAGGCTATGCGTACAGGCATCCTTGGTCCGAGAGAA
 GCCTAGGCACAAGAGTGACGTGGAGATCCCTGCAACCGTGAAGTGCCTTCTCCTTTGAAGATGACAGTGCT
 CCACTCTCTCCCCTCAAGTTCATGGCACAGAGACAGCAGCGTGAACCAAGATGGCTGAATTCACCAA
 ATACTTACATGAAGGTGAATGTGCCGGAGGAGTCTCGAACGGGGAACTAGTCCCAGGACCAAAATCAC
 GTGGATGAAAGCAGAAGACTCCTCTAAAGTCAGTAGTGGGACACCGATCAAAATTGAAGACCCCAATCAG
 TTTGTTCTTTAAACACAAACCCGACGGAGGTGCTAGAAAAGAGAAATAAGATCCGGGAACAGAATCGCT
 ATGATCTGAAGACAGCAGGGCCGAGTCTCAGCTGCTGGCGGGATCGTTGTGGACAAGCCGCCTTCGAC
 CATGCAGTTTGACGATGACGATCAGGGCCACCAGCTCCTCCTAACCCATTGAGCCACCTCTGGAAGGA
 GAACTGGAAGAGTATACGAAGACAATCGAGAGAAAGCAGCAAGGCCTGGACGACGCTGAGCAGGGGTAC
 TCTCAGACGACGCTGCATCTGTTTCACAAATTCAGTCTCAAACCTCAGTACCGCAGAGTGTCCCTGAGAG
 ATTAGAAGAAAACACGAGCTGTTTTCCAAGAGCTTACCTCCATGGACGCGCCTGTCATGATCATGAAC
 GGCAAGGACGAGATGCATGATGTGAAGACGAGCTTGCTCAGCGAGTCAAGTAGGCTGACCACAAGCACGA
 CCATAGAGAACATCGAGATCACCATTAAGTCCCGAAGAACTGAAGAGGTCTGTGCGCTGATGGCTC
 ACCTTCAAAGTCGCCCTCCAAGAAAAGAAGAAATTCGACGACGCTTCTTTTCTCAAAAAGAACAAAAA
 AAGGAGAAAGTTGAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223289 representing NM_001164099
 Red=Cloning site Green=Tags(s)

MSSDTS PAVVTT P P P P S M P H K E R Y F D R I N E S D P E Y L R E R N M S P D L R Q D F N M M E Q R K R V T Q I L Q S P A F R E D
 L E C L I Q E Q M K K G H N P S G L L A L Q Q I A D Y I V T S S F S G F S S P S L S L G M V T P I N D L P G A D T S S Y V K G E K L T R C K
 L A S L Y R L A D L F G W A H L A N T Y I S V R I S K E Q D H I I I P R G L S F S E A T A S T L V K V N I I G E V V D Q G S T D L K I D H
 T G F S P H A A I Y S T R P D V K C V I H I H T L A T A A V S S M K C G I L P I S Q E S L I L G D V A Y Y D Y Q G S L D E E E E R I E L Q K
 V L G P S C K V L V L R N H G M V A L G E T L E E A F H Y I F N V Q M A C E I Q V Q A V A G A G G V D N L L V L D L Q Y K A F T H G V A M
 S G G G G V N M A S H Q K W K V G E I E F E G L M R T L D N L G Y R T G Y A Y R H P L V R E K P R H K S D V E I P A T V T A F S F E D D S A
 P L S P L K F M A Q R Q Q R E K T R W L N S P N T Y M K V N V P E E S R N G E T S P R T K I T W M K A E D S S K V S S G T P I K I E D P N Q
 F V P L N T N P T E V L E K R N K I R E Q N R Y D L K T A G P Q S Q L L A G I V V D K P P S T M Q F D D D D Q G P P A P N P F S H L L E G
 E L E E Y T K T I E R K Q Q L D D A E Q G S L S D D A A S V S Q I Q S Q T Q S P Q S V P E R L E E N H E L F S K S F T S M D A P V M I M N
 G K D E M H D V E D E L A Q R V S R L T T S T T I E N I E I T I K S P E R T E E V L S P D G S P S K S P S K K K K K F R T P S F L K K N K
 K E K V E A

TRTRPLE - GFP Tag - V

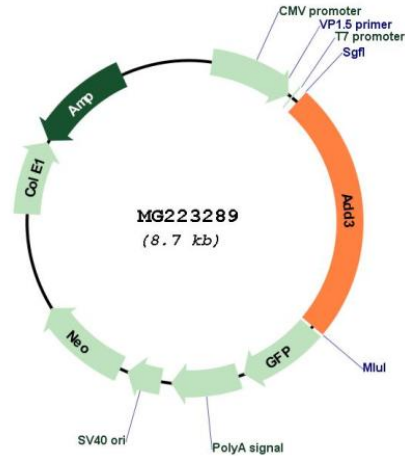
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001164099

ORF Size: 2118 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

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]