

## Product datasheet for **MG210161**

### Add3 (NM\_013758) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Add3 (NM_013758) 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:**

>MG210161 representing NM\_013758  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTCGGACACCAGCCAGCTGTGGTTACCACGCCTCCTCCTCCAGCATGCCTCACAAAGAGAGGT  
 ATTTTGACCGAATCAATGAAAGTGATCCGGAATACCTTCGAGAGAGGAACATGTCTCCTGATCTACGACA  
 GGACTTCAATATGATGGAGCAGAGGAAGCGAGTCACTCAGATCCTGCAGAGCCCTGCCTTTCGGGAAGAC  
 CTGGAATGCCTCATCCAAGAGCAGATGAAGAAAGGCCACAACCCAAGCGGCTTATTAGCGTTACAGCAGA  
 TTGCGGATTACATCGTGACCAGCTCCTTCTCGGGCTTCTCCTCGCCCTCCTGAGTCTTGGCATGGTCAC  
 ACCTATTAATGACCTTCTGGTGCAGATACATCCTCGTATGTGAAGGGAGAAAAGCTTACTCGCTGCAAA  
 CTTGCCAGCCTACAGGCTTGCAGACTGTTTGGGTGGGCGCACCTGGCAAATACGTACATCTCGGTAC  
 GAATAAGTAAGGAGCAAGACCACATTATAATAATCCAGAGGCCTCTTTTTTGAAGCGACAGCCTC  
 CACTTTGGTGAAGTCAACATAATCGGAGAAGTGGTGGACCAGGGGAGCACTGATCTGAAAATCGACCAC  
 ACGGGCTTCAGCCCGCATGCTGCCATCTATTCAACACGCCCCGATGTGAAGTGTGTGATCCACATCCACA  
 CCCTTGCCACAGCAGCGGTGCCTCCATGAAGTGTGGGATCCTTCCAATTTCCAAGAGTCTCTCATCCT  
 GGGAGATGTGCGCTACTATGACTACCAGGGTGCCTTGATGAGGAGGAAGAAAGAATTGAACTTCAGAAA  
 GTGCTGGGTCCAAGCTGAAGGTGCTCGTCTCAGGAACCATGGCATGGTGGCTCTTGGCGAGACCTCG  
 AGGAGGCTTTCCATTACATCTTTAATGTACAGATGGCCTGTGAGATCCAGGTGCAGGCAGTAGCAGGGGC  
 AGGCGGAGTAGACAATCTGCTCGTACTGGATCTTCAGAAATATAAAGCTTTCACCCACGGTGTGCCATG  
 TCTGGAGGAGCGGTGTAACATGGCTTCCCATCAGAAGTGAAGGTTGGCGAGATTGAGTTTGAAGGGC  
 TGATGAGGACCTGGACAACCTGGGCTACAGAACAGGCTATGCGTACAGGCATCCTTGGTCCGAGAGAA  
 GCCTAGGCACAAGAGTGACGTGGAGATCCCTGCAACCGTGACTGCCTTCTCCTTTGAAGATGACAGTGCT  
 CCACTCTCTCCCCTCAAGTTCATGGCACAGAGACAGCAGCGTGAAAAACAAGATGGCTGAATTCACCAA  
 ATACTTACATGAAGGTGAATGTGCCGGAGGAGTCTCGAACGGGGAAACTAGTCCCAGGACCAAAATCAC  
 GTGGATGAAAGCAGAAGACTCCTCTAAAGTCAGTAGTGGGACACCGATCAAAATTGAAGACCCCAATCAG  
 TTTGTTCTTTAAACACAAACCCGACGGAGGTGCTAGAAAAGAGAAATAAGATCCGGGAACAGAATCGCT  
 ATGATCTGAAGACAGCAGGGCCGAGTCTCAGCTGCTGGCGGGATCGTTGTGGACAAGCCGCCTTCGAC  
 CATGCAGTTTGACGATGACGATCAGGGCCACCAGCTCCTCCTAACCCATTGAGCCACCTCTGGAAGGA  
 GAACTGGAAGAGTATACGAAGACAATCGAGAGAAAGCAGCAAGGCCTGGACGACGCTGAGCAGGGGTAC  
 TCTCAGACGACGCTGCATCTGTTTCACAAATTCAGTCTCAAACCTCAGTACCCGCAGAGTGTCCCTGAGAG  
 ATTAGAAGAAAACCAGAGCTGTTTTCCAAGAGCTTACCTCCATGGACGCGCCTGTCATGATCATGAAC  
 GGCAAGGACGAGATGCATGATGTGAAGACGAGCTTGCTCAGCGAGTCAAGTAGGCTGACCACAAGCACGA  
 CCATAGAGAACATCGAGATCACCATTAAGTCCCCAGAAAGAACTGAAGAGGTCTGTGCGCTGATGGCTC  
 ACCTTCAAAGTCGCCCTCCAAGAAAAGAAGAAATTCGACACGCCTTCTTTTCTCAAAAAGAACAAAAAA  
 AAGGAGAAAGTTGAGGCC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210161 representing NM\_013758  
 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

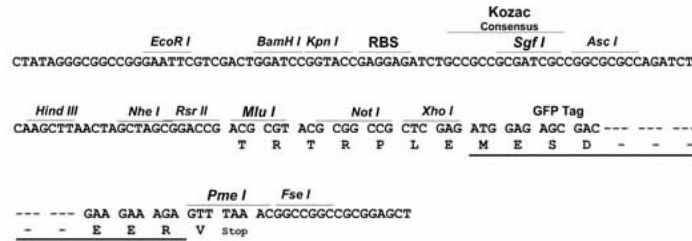
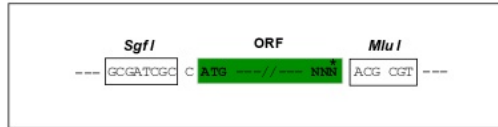
TRTRPLE - GFP Tag - V

Restriction Sites:

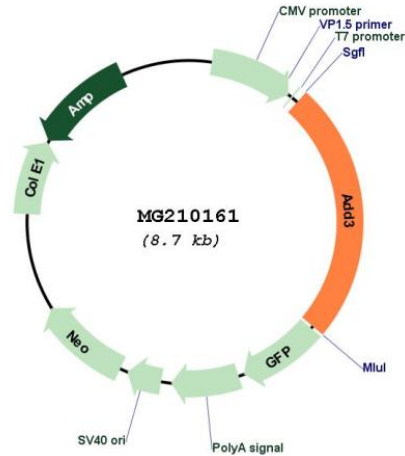
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



## Plasmid Map:



ACCN: NM\_013758

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\\_013758.4](#), [NP\\_038786.2](#)

RefSeq Size: 4261 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]