

## Product datasheet for **MR210161**

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

#### Product data:

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

>MR210161 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTCGGACACCAGCCAGCTGTGGTTACCACGCCTCCTCCTCCAGCATGCCTCACAAAGAGAGGT  
 ATTTTGACCGAATCAATGAAAGTGATCCGGAATACCTTCGAGAGAGGAACATGTCTCCTGATCTACGACA  
 GGACTTCAATATGATGGAGCAGAGGAAGCGAGTCACTCAGATCCTGCAGAGCCCTGCCTTTCGGGAAGAC  
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 AAGGAGAAAGTTGAGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210161 protein sequence  
Red=Cloning site Green=Tags(s)

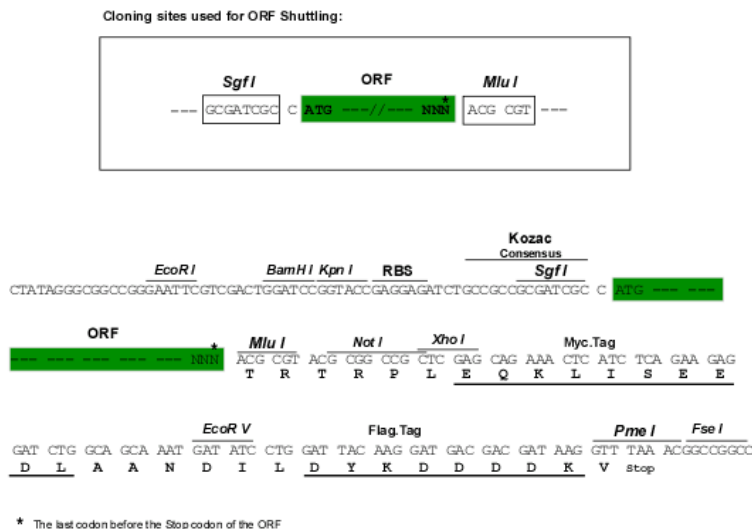
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 SGGGGVNMASHQKWKVGEIEFEGLMRTLNDLGYRTGYAYRHPLVREKPRHKSDVEIPATVTAFFEDDSA  
 PLSPLKFMAQRQQREKTRWLNPNNTYMKVNVPEESRNGETSPRTKITWMKAEDSSKVSSGTPIKIEDPNQ  
 FVPLNTNPTEVLEKRNKIREQNRDYLKTAGPQSQLLAGIVVDKPPSTMQFDDDDQPPAPPNPFSHLLEG  
 ELEEYTKTIERKQQLDDAEQGSLSDDAASVSQIQSQTQSPQSVPERLEENHELFSKSFSTMDAPVMIMN  
 GKDEMHDVEDELAQRVSRLTTSTTIENIEITIKSPERTEEVLSPDGSPKSPSKKKKKFRTPSFLKKNKK  
 KEKVEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013758

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

**RefSeq Size:** 4261 bp

**RefSeq ORF:** 2121 bp

**Locus ID:** 27360

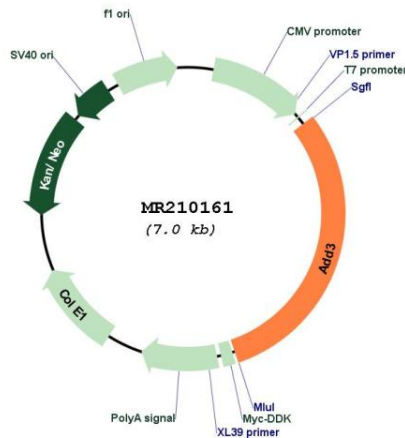
**UniProt ID:** [Q9QYB5](#)

**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 MR210161