

## Product datasheet for **MG205866**

### Actc1 (BC062138) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Actc1 (BC062138) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Actc1
Synonyms:	Actc-1
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MG205866 representing BC062138 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGTGTGACGATGAGGAGACCACCGCTTTGGTGTGTGACAATGGCTCCGGGCTGGTGAAGCCGGCTTTG  
CGGGTGTGACGCCCCAGAGCTGTCTCCCATCCATCGTGGGTCGCCACGCCACCAGGGTGTGATGGT  
GGGTATGGGACAGAAGGACTCCTATGTAGGTGATGAAGCCAGAGCAAGCGAGGTATCCTGACTCTGAAG  
TACCCCATTTGAACATGGCATTATCACCAACTGGGATGACATGGAGAAGATCTGGCACCATACATTCTACA  
ATGAGCTCCGTGTGGCCCCAGAGGAACACCCAACCTGCTCACTGAAGCCCCGCTGAACCCCAAGGCCAA  
CCGTGAGAAGATGACCCAGATCATGTTTGAAACCTTCAATGTGCCTGCCATGTATGTCGCCATCCAGGCA  
GTGCTGTCTCTGTATGCTTCTGGAAGAACCACAGGCATTGTTCTGGATTCTGGCGATGGTGAACACTATA  
ATGTTCCCATCTATGAGGGTTATGCCTTACCCCATGCCATCATGCGCCTGGATCTAGCTGGTCCGGACCT  
CACTGACTACCTCATGAAGATCCTCACTGAGCGCGGGTACTCCTTTGTCACCCTGCTGAACGTGAAATT  
GTCCGTGACATAAAAAGAAAACTGTGTTACGTCGCCCTGGATTTTGAGAACGAGATGGCCACAGCTGCAT  
CTTCTCCTCTCTGGAGAAGAGCTATGAACTTCTGACGCGCAGGTCATCACCATTGGCAACGAGCGCTT  
CCGCTGTCCAGAGACTCTTCCAGCCCTCTTTCATTGGTATGGAATCTGCTGGCATTTCATGAACTACT  
TACAACAGCATCATGAAGTGTGACATCGATATCCGCAAAGACCTGTATGCCAAACAATGTCTATCTGGAG  
GCACCACCATGTACCCTGGTATTGCCGATCGTATGCAAAGGAAATCACTGCACTGGCTCCCAGCACCAT  
GAAGATCAAGATTATTGCTCCCCCTGAGCGTAAATACTCTGTCTGGATTGGGGGCTCCATCCTGGCCTCT  
CTGTCCACCTCCAGCAAATGTGGATCAGCAAGCAAGAGTATGATGAGGCAGGCCATCCATTGTCCACC  
GCAAGTGCTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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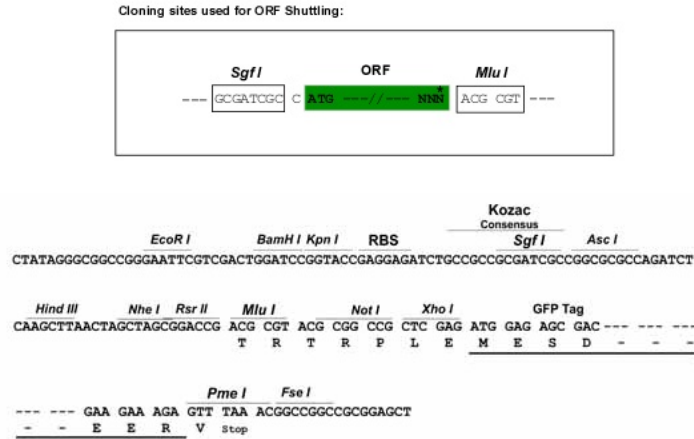
Protein Sequence: >MG205866 representing BC062138  
 Red=Cloning site Green=Tags(s)

MCDDEETALVCDNGSGLVKAGFAGDDAPRAVFPISIVGRPRHQGVMVGMGQKDSYVGDQAQSKRGILTLK  
 YPIEHGIITNWDMEKIWHHTFYNELRVAPEEHPTLLTEAPLNPKANREKMTQIMFETFNVPAMYVAIQ  
 VLSLYASGRTTGIVLDSGDGVTHNVPIYEGYALPHAIMRLDLAGRDLTDYLMKILTERGYSFVTTAEREI  
 VRDIKEKLCYVALDFENEMATAASSSSLEKSYELPDGQVITIGNERFRCPETLFQPSFIGMESAGIHETT  
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 LSTFQQMWISKQEYDEAGPSIVHRKCF

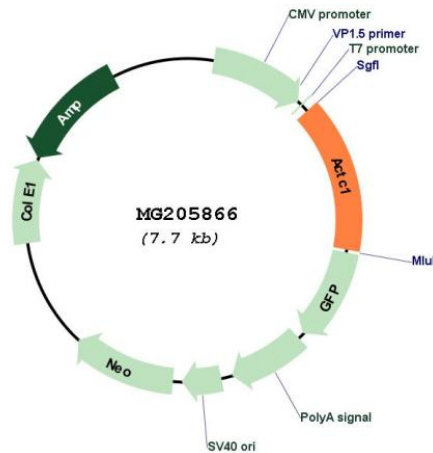
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC062138

<b>ORF Size:</b>	1131 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">BC062138.1</a>
<b>RefSeq Size:</b>	1454 bp
<b>RefSeq ORF:</b>	1133 bp
<b>Locus ID:</b>	11464
<b>Gene Summary:</b>	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.[UniProtKB/Swiss-Prot Function]