

## Product datasheet for **MG224513**

### Actl9 (NM\_183282) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Actl9 (NM_183282) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Actl9
Synonyms:	1700029I08Rik; AV259599
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224513 representing NM_183282 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGTCAATGGACACCCAAAGTTCAGCCCTCCCCAGAGACTGATGGGCCTCTCCCTGACCTCTA  
GTACACTCATGGTGGAGCAAGAGTCTACAGCAAGATTCCCTCAGTATGGTGGGAGACAGGCTCCCACAAA  
AACTGGTCTGTGGTTATTGACATGGGCACAGGCACCTGTAAGGTAGGCTTTGCAGGACAGTCCCAACCC  
ACCTACACGGTGGCCACCATCCTGGGTTGCCAGCCCAAGAAACAGGCTACCAAGGACCAGTCGGAGCTGG  
AACTTTTATTGGGGAGCGCCCGCTCCCGGCCAGAAGTGGAGTTGGTGAAGCCTATTCGCAATGGCAT  
TGTGGTGGACTGGGAAGCTGCGGAATAATATGGAGACACATCTTGAACATGATCTCCAAGTAGCCACC  
CATGAGCACCCCTCTACTGTTTTTCAGATCCACCCTTCAGCCCTGCCACCAACCGAGAAAAGCTAGTAGAAG  
TGGCCTTTGAGTCTCTGCACTCCCAGCCTTATATGTGGCATCTCAATCTGTATTGTGTCAGTCTATGCTCA  
CGGGCGTGTCAATGGACTTGTGGTGGACACCGCCATGGAGTCAGCTACACGGTGGCAGTTGTTCCAGGGT  
TACAACCTACCCCATGCCATCCAACGCTTGGACCTGGCAGGAAACCATCTTACTGCCTTCTAGCAGAGA  
TGCTCCTGGGCTCTGGCTTCTCGTTGCAACAGGAGGACCTGGACTTGGTGGAGAACATCAAACATCATT  
CTTCTGATGGACGGACTGTCACTCTGGGAAAGGAGTTATCCAGTGGCCAGAGCTCCTATCCATCCCC  
CGGAGATTCCAGGATTGTCGCCATCGGCCTCCAGCCATGGCTGAACAGAGCCTCCTCAAGGTGCCTCA  
GGAGCTACGGCCTCATGTGGCCGGAATGTGATACTATGCGGAGGCTCCTCACTTTCACCGGCCTGGAG  
GGTTCGTTTCAGGGCAGAGCTACTGCATTCTATCCCCTGAGGACCACGTAGTGGTGGTGGACACACCCCA  
ACAGGAACCTCTGTGTGGATTGGGGCTCCATTCTAGCCTCATTGCATGCTTTCCAGTCTGTTGGGT  
CCTACGGGAACAATGAAGAAAGGGGACCCAGGTTGTATACCGAAAATGCTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG224513 representing NM\_183282  
 Red=Cloning site Green=Tags(s)

MDVNGHPKFQPSPETDGPLPLTSSITLMVSKSLQDQSLSMVGDRLPPKTGAVVIDMGTGTCKVGFAGQSQP  
 TYTVATILGCQPKKQATKDQSELETFIGEAAARSPELRLVKPIRNGIIVDWEAAELIWRHILEHDLQVAT  
 HEHPLLFSDPPFSPATNREKLVEVAFESLHSPALYVASQSVLSVYAHGRVNLVVDTHGHVSYTVPVVQG  
 YNLPHAIQRDLAAGNHLTAFLAEMLLGSGFSLQQEDLDLVENIKHHYCYLAPDFQKEQARPDEECKQSLK  
 LPDGRVTTLGKELFQCPELLFHPPEIPGLSPIGLPAMAEQSLKVPQELRPHVARNVILCGSSSLFTGLE  
 GRFRAELLHSLSPEDHVVMMAHPNRNLSVWIGGSILASLHAFQSCWVLRQYEERGPQVYVRKCY

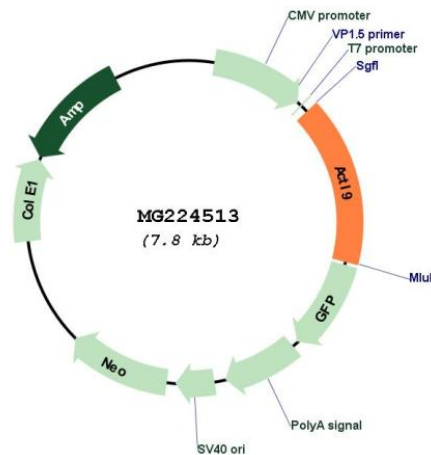
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_183282

<b>ORF Size:</b>	1245 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>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_183282.2</a> , <a href="#">NP_899105.2</a>
<b>RefSeq Size:</b>	1380 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	69481
<b>UniProt ID:</b>	<a href="#">Q8CG27</a>
<b>Cytogenetics:</b>	17 B1