

Product datasheet for **MG205876**

Actrt2 (NM_028513) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Actrt2 (NM_028513) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Actrt2
Synonyms: 1700052K15Rik; Arp-T2; Arpm2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205876 representing NM_028513
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTAAACCCACTGGTACTAGATTCTCCTTCTGTGATTTTTGACAACGGATCTGGACTCTGTAAGGCAG
 GACTGTCTGGGGAGATTGGGCCCGTCATGTCACCAGCTCTGTCGTGGGGTACCCGAAGTTCAAGGCGCC
 CCCACGGGAGCTAGTCAGAAGAAGTACTTTGTCGGGGAAGAAGCCCTGTACAAACAGGAGGCCTTGAGC
 CTGCACTACCCATTGACCGGGTCTGGTCACGAGCTGGGACGATGTGGAGAACTCTGGAGACATCTCT
 TCGAATGGGAAGTGGGTGTGAAGCCCTGCGAACGACCCGTGCTCGTGACGGAACCTCCCTGAACCCAG
 GGAGAATCGCGAGAAGACGGCAGAGATGATGTTTGAGACCTTCGAGGTACCTGCCTTCTACCTGTCAGAC
 CAGGCAGTGTGGCGCTCTACTCCTCTGCCTGTGTACAGGCCTGGTGGTGGACAGTGGGGATGGGGTCA
 CCTGCACTGTCCCATCTATGAAGGTTACTCCCTGCCTCACGCAGTCAGCAAGCTTTACGTGGCCGGCAA
 AGACATCACAGAGCTCCTCACCCGGTGTGCTGGCCAGTGGACGAGCCTTTCCATGCCCACTGGAAAAG
 GCCCTGGCGGATGACATCAAGGAGAAGCTGTGCTATGTGGCCCTGGAGCCTGAGGAGGAGCTGTCTCGGC
 GGGCAGAAGATGTCTTGAGAGAGTACAACTGCCCGACGGGAATGTCATTTACATCGGAGACCAGCTGTA
 CCAGGCTCCTGAGGTCTGTTCTCACAGACCAGTTGGGCACCCATGGTCCAGGGCTGGCACAGATGGCA
 TCTAACAGCATAACCAAGTGTGATGCTGACATACAGAAGACACTTTTGGGGAGATTGTCTGTGGGGG
 GAAGCAGCTGTTTCAGGGGCTGGATGACAGGCTCCTGAAAGAAGTGAACAGCTGGCTTCAAGGGGGT
 CCCCATAAAATCACAGCGCCGCCGACCGCTGTTTCTACGTGGATCGGGGCTCCATTGTACAGTCT
 CTGAGCAGCTTTAAGCAGATGTGGATCACTGCTGCAGACTTCAAAGATTTGGAGTGTCCGTGGTCCAGA
 GCGGTGCTTC

AC**CGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205876 representing NM_028513
 Red=Cloning site Green=Tags(s)

MFNPLVLDSPSVIFDNGSGLCKAGLSGEIGPRHVTSSVVGYPKFKAPPTGASQKKYFVGEEALYKQEALS
 LHYPIDRGLVTSWDDVEKLRHLEFEWELGVKPCERPVLVTEPSLNPRENREKTAEMMFETFEVPAFYLS
 QAVLALYSSACVTGLVVDSDGDVCTVPIYEGYSLPHAVSKLYVAGKDITELLTRLLASGRAFPCKLEK
 ALADDIKEKLCYVALEPEEELSRRAEDVLRKYKLPDGNVIYIGDQLYQAPEVLFSPDQLGTHGPGAQMA
 SNSITKCDADIQKTLFGEIVLSGGSTLFGQLDDRLLEQLASKGVPIKITAPPDRWFSTWIGASIVTS
 LSSFQMWITAADFKEFGVSVVQRRCF

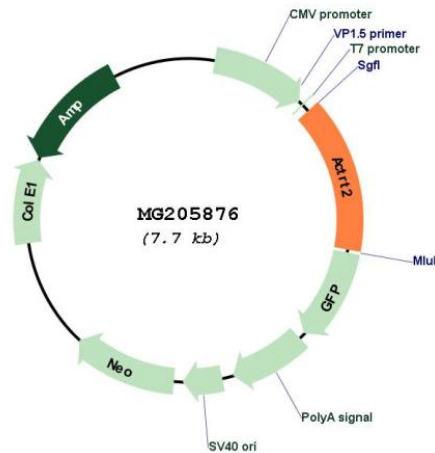
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028513

ORF Size:	1131 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:	<ol style="list-style-type: none">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_028513.3 , NP_082789.1
RefSeq Size:	1440 bp
RefSeq ORF:	1134 bp
Locus ID:	73353
UniProt ID:	Q9D9L5
Cytogenetics:	4 E2