

Product datasheet for **MG205853**

Actr1a (NM_016860) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Actr1a (NM_016860) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Actr1a
Synonyms: alpha-Arp1; Arp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205853 representing NM_016860
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCCTACGATGTGATCGCCAACCAGCCTGTTGTGATCGACAACGGATCCGGTGTGATTAAGCTG
GCTTTGCTGGTGATCAGATCCCCAAATACTGCTTTCCAACTATGTGGGCAGACCCAAACATGTTCTGTG
CATGGCAGGAGCCCTGGAAGGTGACATCTTCATTGGCCCCAAAGCGGAGGAGCACCAGGGGCTGCTGTCA
ATCCGTTACCCCATGGAACATGGCATCGTCAAGGACTGGAACGACATGGAACGCATCTGGCAATACGCT
ACTCTAAGGACCAGCTGCAGACTTCTCAGAGGAGCATCTGTGCTCCTAACGGAGGCACCTTTAAACCC
TCGAAAAAACCGGAGCGAGCTGCAGAAGTCTTCTCGAGACCTCAATGTGCCGGCCCTTTCATCTCC
ATGCAAGCCGTGCTGAGCCTTATGCCACGGGCAGAACCACAGGCGTGGTGTGGATTCTGGGGATGGTG
TCACCCATGCAGTCCCGATTTATGAAGGCTTCGCCATGCCTCACTCCATCATGCGCATCGACATCGCTGG
CCGGGATGTCTCGCGCTTCTCCGCTCTACCTACGGAAGGAGGGCTATGATTTCCACTCCTCTCTGAG
TTTGAGATTGTCAAGGCCATAAAGGAAAGAGCTTGCTACCTGTCCATAAACCCCCAGAAGGATGAGACAC
TGGAGACAGAGAAGGCTCAGTACTACCTGCCGATGGCAGCACCATTGAGATTGGCCCTCCCGTTCCG
GGCCCCGAGCTGCTGTTTCAGGCCGACTTGATTGGCAGGAGAGTGAAGGCATCCACGAGGTGCTGGTG
TTTGCTATCCAGAAGTCAGACATGGATTTACGGCGTACACTGTTTTCTAACATTGCTCCTCAGGAGGTT
CTACCCTGTTCAAAGTTTTGGAGACAGGCTACTGAGTGAAGTGAAGAACTAGCTCCAAAAGACGTGAA
GATCAGGATATCTGCACCCAGGAGAGACTGTATTCCACATGGATTGGAGGTTCTATCCTTGCTTCCTG
GACACCTTAAAGAAGATGTGGTCTCTAAGAAAGAATATGAAGAAGACGGTGCCCGATCCATCCACAGGA
AAACCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205853 representing NM_016860
 Red=Cloning site Green=Tags(s)

MESYDVIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHVRVMAGALEGDIFIGPKAEHRGLLS
 IRYPMEHGIVKDWDMERIWQYVYSKDQLQTFSEEHPVLLTEAPLNPRKNRERAAEVFFETFNVPALFIS
 MQAVLSLYATGRTTGVVLDSDGDVTHAVPIYEGFAMPHSIMRIDIAGRDVSRFLRLYLKREGYDFHSSE
 FEIVKAIKERACYLSINPQKDELTLEKAQYYLPDGSTIEIGPSRFRAPPELLFRPDLIGEESEGIHEVLV
 FAIQKSDMDLRRTLFSNIIVLSSGSTLFKGFGRLLSEVKKLAPKDVKIRISAPQERLYSTWIGGSILASL
 DTFKMMWVSKKEYEEDGARSIHRTKTF

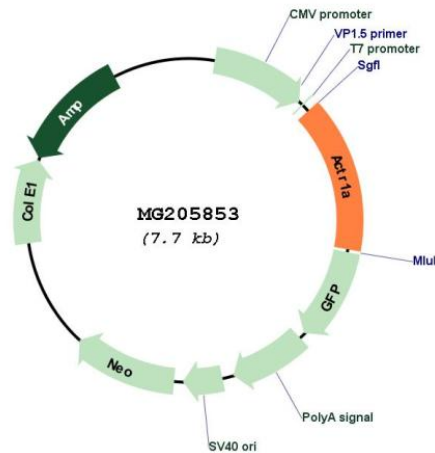
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_016860

ORF Size:	1128 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_016860.1 , NP_058556.1
RefSeq Size:	2742 bp
RefSeq ORF:	1131 bp
Locus ID:	54130
UniProt ID:	P61164
Cytogenetics:	19 C3
Gene Summary:	Component of a multi-subunit complex involved in microtubule based vesicle motility. It is associated with the centrosome.[UniProtKB/Swiss-Prot Function]