

Product datasheet for **MG205850**

Actr1b (NM_146107) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Actr1b (NM_146107) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Actr1b
Synonyms: 2310066K23Rik; AA960180; AI851923; Arp1b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205850 representing NM_146107
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCTACGACATCATCGCTAACAGCCCGTGGTCATCGACAATGGTTCAGGGGTGATCAAGGCTG
 GCTTTGCAGGAGACCAGATTCTAAGTACTGTTCCCAAATATGTCGGACGGCCAAAGCACATGCGGGT
 TATGGCTGGAGCCCTGGAGGGGACCTGTTTCATTGGACCGAAAGCAGAGGAGCACCGGGGCTGCTGACC
 ATCCGATACCCCATGGAACACGGTGTGGTACGGGATTGGAATGACATGGAACGCATCTGGCAGTACGCT
 ACTCTAAGGACCAGCTGCAGACCTTCTCTGAGGAGCATCTGTTCTTCTAACGGAGGCCCACTGAACCC
 CAGTAAGAACCGGAGAAGGCGGACAGAGTCTTCTTTGAAACCTCAATGTTCTGCACTGTTTATCTCC
 ATGCAGGCCGTGCTTAGCCTGTACGCAACAGGACGCACCACAGGAGTGGTTTTAGATTCCGGGGACGGGG
 TCACTCACGCTGTCCCATCTATGAGGGCTTTGCCATGCCACACTCCATCATGCGGGTTGACATTGCGGG
 CCGGGACGTCTCTCGATATCTGAGGCTGCTGCTACGCAAGGAAGGGGACACTTCCACACCTCAGCTGAG
 TTTGAGGTGGTCCGACCATCAAAGAGCGAGCTTGCTATCTGTCCATCAACCCACAAAAGGACGAGGCTC
 TCGAGACTGAGAAGGTGCAGTACACCTTCCAGACGGCAGCAGCTTGATGTGGGCTCGCGCTTCCG
 AGCCCCGAACTGCTGTTCCAGCCAGACCTGGTAGGGATGAGAGTGAGGGACTCCATGAAGTTCTGGCC
 TTCGCCATCCACAAGTCTGACATGGACCTCCGCGGACACTTCTCCAATATCGTGTGTCAGGGGGCT
 CAACACTTTCAAAGGCTTTGGAGACAGTACTAAGTGAAGTAAAGAAGCTTGCCCCGAAGGATGTTAA
 AATCAAGATCTCTGCTCCTCAGGAACGGCTGACTCCACGTGGATCGGAGGCTCCATCCTCGCCTACTG
 GATACCTTCAAGAAGATGTGGGTATCCAAAAGGAATATGAAGAAGATGGCTCCCGCGGATTCATCGCA
 AACCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205850 representing NM_146107
 Red=Cloning site Green=Tags(s)

MESYDIIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHMRVMAGALEGDLFIGPKAEHRLLT
 IRYPMHEGVVRDNDMERIWQYVYSKDQLQTFSEEHPVLLTEAPLNPSKNREKAAEVFFETFNVPALFIS
 MQAVLSLYATGRTTGVVLDSGDGVTHAVPIYEGFAMPHSIMRVDIAGRDVSRYLRLLLRKEGADFHTSAE
 FEVVRTIKERACYLSINPQKDEALETEKVQYTLPDGSTLDVGPAPFRAPPELLFQPDLVGDESEGLHEVLA
 FAIHKSDMDLRRTLFSNIIVLSSGSTLFGKFGDRLLSEVKKLAPKDVKIKISAPQERLYSTWIGGSILASL
 DTFKKMWVSKKEYEEDGSRAIHRKTF

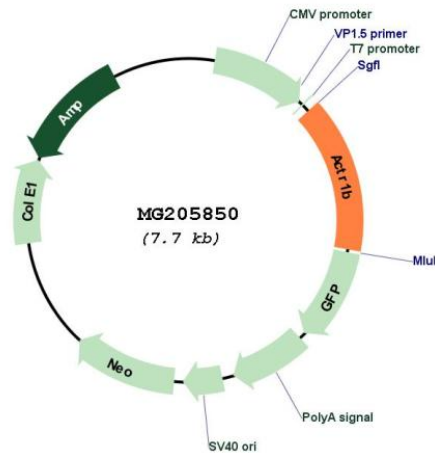
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_146107

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_146107.1
RefSeq Size:	2077 bp
RefSeq ORF:	1131 bp
Locus ID:	226977
UniProt ID:	Q8R5C5
Cytogenetics:	1 B
Gene Summary:	Component of a multi-subunit complex involved in microtubule based vesicle motility. It is associated with the centrosome (By similarity).[UniProtKB/Swiss-Prot Function]