

Product datasheet for MC207933

Actr3b (NM_001004365) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Actr3b (NM_001004365) Mouse Untagged Clone
Tag: Tag Free
Symbol: Actr3b
Synonyms: 9630005C02; Arp3b; Arp3beta; ARP11; AW047569
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207933 representing NM_001004365
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCTCGCTGCCTCCCTGCGTGGTTGACTGCGGCACCGGGTACACCAAGCTTGGCTACGCAGGCA
 AACTGAACCACAGTTCATTATCCCGTCATGTATCGCCATCCGAGAATCTGCAAAGGTAGTTGATCAAGC
 CCAAAGGAGGGTGTGAGAGGAGTCGATGACCTTGATTTCTTCATAGGGGATGAAGCCATTGATAAACCT
 ACCTACGCTACCAAGTGGCCTATACGACATGGCATCGTTGAAGACTGGGATCTTATGAAAAGTTTACG
 AACAGTGGTCTTTAAGTATCTTCGTGCTGAACCTGAGGACCACTACTTTTTAATGACAGAACCTCCACT
 GAACACACCAGAAAACAGAGAGTACCTTGCAAGAAATCATGTTTGAATCATTTAATGTACCAGGACTCTAC
 ATTGCAGTACAGGCAGTCTGGCTCTGGCAGCCTCTTGGACATCCCGCAAGTTGGTGAACGCACACTAA
 CGGGGATAGTTATAGACAGTGGAGACGGTGTCAACCATGTTATCCCGTGGCAGAAGGTTATGTAATTGG
 AAGCTGCATCAAACACATCCCAATTGCAGGTAGAGATATTACGTATTTCAACAGCTGCTAAGGGAG
 AGGGAGTGGGAATCCCTCCTGAGCAGTCACTGGAAACCGAAAAGCCATCAAGGAGAAGTACTGCTACA
 TTTCCCGGATATTGTCAGAGAATTTGCTAAGTATGACGTAGATCCTCGGAAGTGGATCAAACAGTACAC
 AGGGATCAATGCCATCAACCAGAAGAAGTTCATTATAGATGTTGGTTATGAAAGGTTCTGGGACCAGAA
 ATATTCTTTCACCTGAGTTTGCCAACCCAGACTTTATGGAGTCCATCTCGGATGTTGTCGATGAAGTCA
 TACAGAGCTGTCCATAGATGTGCGCCGCGCTGTATAAGAACGTCGTTCTTTCTGGAGCTCCACAAT
 GTTCAGAGATTTGGACGTCGTCTGCAGAGAGATTTGAAAAGAGTGGTGGACGCCAGGTTAAAGCTGAGC
 CAAGAGCTCAGTGGAGGCAGGATAAAGCCTAAACCTGTGGAGGTGCAGGTGGTACGCACCACATGCAGC
 GCTATGCCGTGTGGTTTGGAGGCTCGATGCTAGCCTCACTCCGGAGTCTTTTCAGGTCTGTCACACCAA
 GAAGGACTATGAGGAATACGGCCCAAGCATCTGCCCCACAACCTGTCTTCGGAGTCATGTCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001004365
Insert Size:	1257 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001004365.2</u> , <u>NP_001004365.1</u>
RefSeq Size:	2134 bp
RefSeq ORF:	1257 bp
Locus ID:	242894
UniProt ID:	<u>Q641P0</u>
Cytogenetics:	5 B1
Gene Summary:	<p>Plays a role in the organization of the actin cytoskeleton. May function as ATP-binding component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. May decrease the metastatic potential of tumors (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>