

Product datasheet for RN210041

Actb (NM_031144) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actb (NM_031144) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Actb
Synonyms:	Actx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210041 representing NM_031144 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGACGATATCGCTGCGCTCGTCGTCGACAACGGCTCCGGCATGTGCAAGGCCGGCTTCGCGGGCG
ACGATGCTCCCCGGGCCGTCTTCCCTCCATCGTGGGCCGCCCTAGGCACCAGGGTGTGATGGTGGGAT
GGGTCAGAAGGACTCCTACGTGGCGCAGAGGCCAGAGCAAGAGAGGCATCCTGACCCTGAAGTACCCC
ATTGAACACGGCATTGTACCAACTGGGACGATATGGAGAAGATTTGGCACCACACTTTCTACAATGAGC
TGCGTGTGGCCCCTGAGGAGCACCTGTGCTGCTCACCGAGGCCCTCTGAACCCTAAGCCAACCGTGA
AAAGATGACCCAGATCATGTTTGAGACCTCAACACCCCAAGCCATGTACGTAGCCATCCAGGCTGTGTTG
TCCTGTATGCCTCTGGTTCGTAACACTGGCATTGTGATGGACTCCGGAGACGGGGTACCCACACTGTGC
CCATCTATGAGGGTTACGCGCTCCCTCATGCCATCCTGCGTCTGGACCTGGCTGGCCGGGACCTGACAGA
CTACCTCATGAAGATCCTGACCGAGCGTGGCTACAGCTTACCACCACAGCTGAGAGGAAAATCGTGCGT
GACATTAAGAGAAGCTGTGCTATGTTGCCCTAGACTTCGAGCAAGAGATGGCCACTGCCGATCCTCTT
CCTCCCTGGAGAAGACTATGAGCTGCCTGACGGTCAGGTCATCACTATCGGCAATGAGCGGTTCCGATG
CCCCGAGGCTCTTCCAGCCTTCCTTCTGGGTATGGAATCCTGTGGCATCCATGAAACTACATTCAAT
TCCATCATGAAGTGTGACGTTGACATCCGTAAGACCTCTATGCCAACACAGTGTGTCTGGTGGCACCA
CCATGTACCCAGGCAATTGCTGACAGGATGCAGAAGGAGATTACTGCCCTGGCTCCTAGCACCATGAAGAT
CAAGATCATTGCTCCTCCTGAGCGCAAGTACTCTGTGTGGATTGGTGGCTCTATCCTGGCCTCACTGTCC
ACCTTCCAGCAGATGTGGATCAGCAAGCAGGAGTACGATGAGTCCGGCCCTCCATCGTGCACCGCAAAT
GCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1791_e06.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031144
Insert Size:	1128 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_031144.2 , NP_112406.1
RefSeq Size:	1293 bp
RefSeq ORF:	1128 bp
Locus ID:	81822
UniProt ID:	P60711
Cytogenetics:	12p11
Gene Summary:	mRNA expression increases following axon injury; may play a role in acceleration of axonal outgrowth [RGD, Feb 2006]