

Product datasheet for RN203200

Arc (NM_019361) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arc (NM_019361) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arc
Synonyms:	rg3.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203200 representing NM_019361 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGGACCATATGACGACCGGGCCCTCCACGCCTACCCTGCCCGCGGGTGGCCGGCCGCCA
AACCCAATGTGATCCTGCAGATTGGTAAGTGCCGAGCTGAGATGCTGGAGCACGTACGGAGGACCCACCG
GCATCTGTTGACCGAAGTGTCCAAGCAGGTGGAGCGAGAGCTGAAAGGGTGCACAGGTCGGTGGGCAAG
CTGGAGAACAACCTGGACGGCTATGTGCCACGGGCGACTCACAGCGCTGGAAGAAGTCCATCAAGGCCT
GTCTCTGCCGCTGCCAGGAGACCATCGCCAACCTGGAGCGCTGGGTCAAGCGTGAGATGCACGTGTGGAG
GGAGGTCTTCTACCGTCTGGAGAGGTGGGCCGACCGCCTGGAGTCCATGGGCGGCAAGTACCCAGTGGGC
AGCGAGCCGCGCCGACACTGTCTGTAGGTGTGGGGGTCCAGAGCCCTACTGCCAGGAAGCTGATG
GCTACGACTACACTGTTAGCCCTATGCCATCACCCCGCCACCTGCCGACGAGAGCTGCCTGAGCAGGA
GTCAGTTGGGGCTCAGCAATACCAGTCTTGGGTGCCAGGTGAGGATGGGCAACCAAGCCAGGTCTGGAT
ACCCAGATCTTTGAGGACCCACGGGAGTTCTGAGCCACCTGGAAGAGTACCTGCGGCAGGTGGGTGGCT
CTGAAGAATATTGGCTGTCCAGATCCAGAACCACATGAATGGGCCAGCCAAGAAGTGGTGGGAGTTCAA
ACAGGGCTCGGTGAAGAAGTGGGTGGAGTTCAAGAAGGAGTTTCTGCAGTACAGTGAGGGTACGCTCTCC
CGCGAAGCCATTACGCGGAGCTGGACCTGCCACAGAAGCAGGGTGAGCCACTTGACCAAGTCTCTGCGC
GTAAGCGGGACCTGTACCAGACTGTATGTGGACGCTGAGGAGGAGGATCATTAGTGTGGTGGG
CACCCTGCAGCCCAAGTTCAAGCGCTTTCTGCGCCACCCACTTCCAAGACCCTGGAGCAGCTCATCCAG
AGGGGCATGGAAGTTCAGGACGGCTGGAGCAGGAGCTGAGCCTTCTGTACCCCTCTGCCACAGAGG
ATGAGACTGAGGCACTCACGCCTGCTTACCAGCGAGTCAGTAGCCAGTGACAGGACCCAGCCTGAATA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja2194_f08.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_019361
Insert Size:	1191 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_019361.1 , NP_062234.1
RefSeq Size:	3032 bp
RefSeq ORF:	1191 bp
Locus ID:	54323
UniProt ID:	Q63053
Cytogenetics:	7q34
Gene Summary:	may play a role in neuronal plasticity, long-term potentiation, and memory consolidation [RGD, Feb 2006]