

Product datasheet for RN211663

Arrdc3 (NM_001007797) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arrdc3 (NM_001007797) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arrdc3
Synonyms:	LRRGT00048
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211663 representing NM_001007797 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTGGAAAGGTAAGAGTTTGACAATAAGCTTTGACTGTCTTAATGACAGTAATGTCCCGTGT
ATTCTAGCGGGGACTGTCTCAGGAAGGGTAAATTTAGAAGTTACTGGGAAATCAGAGTAAAATCTCT
TAAAATTCATGCAAGAGGACATGCGAAAGTACGCTGGACTGAATCAAGAAACGCCGGCTCCAATACTGCC
TATACACAGAATTACACTGAAGAAGTAGAATATTTCAACCATAAAGACATCTTAATTGGGCAGAAAGAG
ATGATGATAATTGTGAAGAAGGCTTCAGCACTATTCATTGAGGACGCGATGAATATGCATTTAGCTTCGA
GCTTCCACAGACACCACTTGCTACCTCATTTGAAGGCCGACATGGCAGTGTGCGCTATTGGGTGAAGGCC
GAATTGCATAGGCCTTGGCTTCTACCAAGTAAAATTAAGAAGGAATTTACAGTCTTTGAGCAGATAGATA
TCAACTCTCTTCACTGTCACCCCAAGCAGGCACAAAAGAAAAGACTCTGTTGCTGGTTCTGCAC
CTCAGGCCCAATATCCTTAAGTGCCAAAATGAGAGGAAGGGCTACACCCAGGTGAATCAATACAGATA
TTTGCTGAGATTGAGAACTGCTCTTCCGAATGGTAGTGCCAAAGGCAGCCATTTACCAACGCAGGCCCT
TCTACGCCAAAGGAAAATGAAGGAAGTAAAACAGCTGGTGGCAAACCTACGTGGGGAATCCTTATCATC
TGGGAAGACGGAGACGTGGGACGGCAAGCTGCTCAAGATCCCACCACTTCCACCTCCATCTCGACTGT
AGTATAATCCGTGTGGAGTATTCGCTAATGGTATACGTGGATATCCCGGGCCATGGATTGCTTCTCA
GTTTGCCACTAGTCATTGGGACCATCCCTCTACATCCATTTGGGAGCAGAACCTCAAGTGTGAGCAGTCA
GTGTAGCATGAATATGAACTGGCTCGGTCTATCCCTTCTGAAAGACCTGAAGCACCACCCAGTTATGCA
GAGGTTGTAAACGGAGGAACAGAGACGGAATAATCTTGACCAGTGAGTGTGATGATTTTGAGAGAG
CTTTCAAGGACCACTGTTTCGATATATCCAGGAGTTCGGTTCTGCCTCCACCTCTCTATTAGAGAT
TGATCAAATCCTGATCAGTCATCCGAGGACAGACCATCATGCCCTCTCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001007797
Insert Size:	1245 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_001007797.1</u> , <u>NP_001007798.1</u>
RefSeq Size:	1245 bp
RefSeq ORF:	1245 bp
Locus ID:	309945
UniProt ID:	<u>Q6TXF1</u>
Cytogenetics:	2q11
Gene Summary:	Adapter protein that plays a role in regulating cell-surface expression of adrenergic receptors and probably also other G protein-coupled receptors. Plays a role in NEDD4-mediated ubiquitination and endocytosis of activated ADRB2 and subsequent ADRB2 degradation. May recruit NEDD4 to ADRB2. Alternatively, may function as adapter protein that does not play a major role in recruiting NEDD4 to ADRB2, but rather plays a role in targeting ADRB2 to endosomes.[UniProtKB/Swiss-Prot Function]