

Product datasheet for **MG206530**

Arrdc3 (NM_001042591) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arrdc3 (NM_001042591) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arrdc3
Synonyms:	AI450344; mKIAA1376
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206530 representing NM_001042591 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCTGGAAAGGTAAGAGTTTGACAATAAGCTTTGACTGTCTTAATGACAGTAATGTCCCGTGT
ATTCTAGCGGGGACACTGTCTCAGGAAGGGTAAATTTAGAAGTTACCGGGGAGATCAGAGTAAAATCTCT
TAAAATTCACGCAAGAGGACATGCGAAAGTACGGTGGACGGAATCAAGAAACGCCGGCTCCAATACTGCC
TATACACAGAATTACACTGAAGAAGTAGAATATTTCAACCATAAAGACATCTTAATTGGGCACGAAAGAG
ATGATGATAATTCTGAAGAAGGCTTCCACTACTTTCATTGAGGAGCATGAATATGCATTTAGCTTCGA
GCTTCCACAGACACCACTTGCTACCTCATTGCAAGGCCGACATGGCAGTGTGCGCTATTGGTGAAAGCC
GAATTGCATAGGCCTTGGCTTCTACAGTAAAATTAAGAAGGAATTTACAGTCTTTGAGCAGATAGATA
TCAACTCTCTTACTGTACCCCAAGCAGGCACAAAAGAAAAGACACTCTGTTGCTGGTTCTGCAC
CTCAGGCCCATATCCTTAAGTGCCAAGATTGAAAGGAAGGGCTACACCCAGGTGAATCAATCCAGATA
TTTGCCGAGATTGAGAACTGCTCTTCCGAATGGTAGTGCCAAAGGCGGCCATTTACCAGACGCAGGCCCT
TCTATGCCAAAGGAAAATGAAGGAAGTAAAACAGCTTGTGGCAAACCTACGTGGCGAGTCTTTATCCTC
TGGGAAGACAGAGACGTGGAATGGCAAGCTGCTCAAAATCCCACCGGTTTCAACCTCCATCCTCGACTGT
AGTATAATCCGAGTGAATATTCGCTAATGGTGTACGTGGATATTCCTGGGGCCATGGATTGCTTCTCA
GTTTGCCCTCGTCATCGGGACCATCCCTCTGCACCCGTTTGGTAGCAGAACCTCAAGTGTGAGCAGTCA
GTGTAGCATGAGTATGAACTGGCTGGCTCTGGCCCTTCTGAAAGACCTGAAGCACCACCCAGCTATGCA
GAGGTTGTAAACGGAGGAACAGAGACGGAATAATCTCGCCCAAGTGGTGCTTGTGATGATTTTGAGAGAG
CTCTCAAAGGACCACTGTTTGTATATCCAGGAGTTTCGGTTCGCCCCACCTCTCTATTAGAGAT
TGATCAAATCCTGATCAGTCATCCGAGGACAGACCATCATGCCCTCTCGC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206530 representing NM_001042591
 Red=Cloning site Green=Tags(s)

MVLGKVKSLTISFDCLNDSNVPVYSSGDTVSGRVNLEVTGEIRVKSLKIHARGHAKVVRWTESRNAGSNTA
 YTQNYTEEVEYFNHKDILIGHERRDDNSEEFGFTIHSRHEHYAFSELPQTPLATSFEGRHGSVRYWVKA
 ELHRPWLLPVKLLKKEFTVFEHIDINTPSLLSPQAGTKEKTLCCWFCTSGPISLSAKIERKGYTPGESIQI
 FAEIENCSSRMVVPKAAIYQTQAFYAKGKMKVQQLVANLRGESLSSGKTETWNGKLLKIPPVSPSILDC
 SIIRVEYSLMVYVDIPGAMDLLLSLPLVIGTIPLHPFGSRTSSVSSQCSMSMNWLALALPERPEAPPSYA
 EVVTEEQRRNNLAPVGACDDFERALQGPLFAYIQEFRFLPPPLYSEIDPNPDQSSDRPSCPSR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042591

ORF Size: 1242 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:

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_001042591.1](#), [NP_001036056.1](#)

RefSeq Size: 4102 bp

RefSeq ORF: 1245 bp

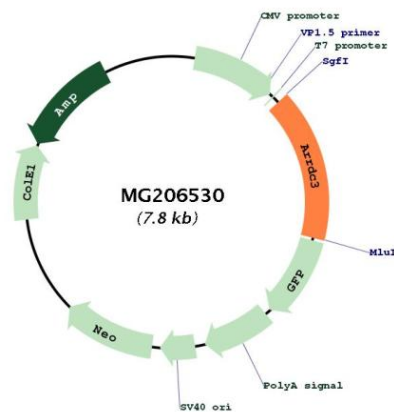
Locus ID: 105171

UniProt ID: [Q7TPQ9](#)

Cytogenetics: 13 C2

Gene Summary: Adapter protein that plays a role in regulating cell-surface expression of adrenergic receptors and probably also other G protein-coupled receptors (PubMed:21982743). 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 a targeting ADRB2 to endosomes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206530