

Product datasheet for **MG215001**

Arrdc4 (NM_001042592) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arrdc4 (NM_001042592) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arrdc4
Synonyms:	2410003C09Rik; AV216361
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215001 representing NM_001042592 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGCGAGGCGGGAGCCGATGGTCTCGGGCCGTGTCAAGAGCTTGGGGCTAGTGTTCGAAGATG
AGAGCAAGGGCTGCTACTCAAGCGGCGAGACAGTGGCCGGGCACGTGCTGCTGGAGGCGGCAGAGCCGGT
GGCCCTGCGCGGACTGCGCCTGGAGGCCAGGGCCGTGCCACCTCTGCCTGGGGCCGAGCGCTGGGGCC
AGGGTCTGCATCGGTGGGGCTCTCCCGCAGCCTCCTCAGAAGTGAATACTTGAACCTGCGGTTGAGTC
TGCTGGAGGCCAGCTGGTGAAGGTGCACCTTGTACAACCAGGAAAACACGAGTTTCCCTTTTCGCTT
TCAGTTCCTGCTGAACCTTTGGCAACATCGTTTACTGGGAAGTATGGCAGTATTCAGTACTGTGTGAGG
GCTGTTTTGGAACGACCCCAAGTCCAGATCAGAGCGTCAGACGAGAGCTCCAGGTTGTCAGTCACGTGG
ATGTCAACACACCCGCCCTTATTGACTCCTATGCTGAAGACGCAGGAGAAAATGGTTGGCTGTTGGCTTTT
CACCTCTGGTCTGTGCTACTGAGCGTCAAGATCGAGAGAAAAGGGCTACTGTAACGGAGAAGCTATCCCT
ATCTATGCAGAAATAGAAAATTGTTTCATCTCGGCTGGTTGTTCCCAAGGCAGCCATATCCAAACCCAGA
CGTACTTGGCTAGTGAAAGACAAAGACAGTCCGGCACATGGTTGCCAATGTTTCGAGGAAACCACATTGG
TTCTGGGAGTACGGACACCTGGAATGGGAAGATGCTGAAGATCCCACCTGTCACCCCATCCATCCTGGAT
TGCTGCATCAGAGTGGACTACTCCTTAGCTGTATACATTATATCCCTGGTGCTAAAAGATTGATGC
TGGAGCTGCCTTTGGTTATTGGTACAATTCCATACAGTGGCTTTGGCCGAGAAAACAGCAGTGTCCGCAAG
CCAGTTACAGTATGGACATGTGCTGGTTGGCACTGGCCCTACCGGAGCAGCCTGAAGCACCACCAAATTAT
GCAGATGTGGTATCGGAAGAAGAATTCTCCCGACACGTTCTCCGTACCCTCAGCCCTCTGACTGTGACG
GGGAAGCCTGCTACTCAATGTTTGCCTGCATACAAGAATTCCGTTTCCAGCCTCCCCCTTTATTTCAGA
GGTTGATCCACATCCTGGTATGCCAAGAGACCCAGCCTGTATCCTTCATTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215001 representing NM_001042592
 Red=Cloning site Green=Tags(s)

MGGEAGADGPRGRVKSLLGLVFEDESKGCYSSGETVAGHVLLAAEPVALRGLRLEAQGRATSAWGPSAGA
 RVCIGGGSPAASSEVEYLNLRLLLEAPAGEVTLTLPQPKHEFPFRFQLPSEPLATSFTGKYGSIQYCVR
 AVLERPQVPDQSVRRELQVVSHVDVNTPLLPMLKTQEKMGVGCWLF TSGPVLSVKIERKGYCNGEAIP
 IYAEIENCSSRLVVPKAAIFQTQTYLASGKTKTVRHMVANVRGNHIGSGSTDTWNGKMLKIPPVTPSILD
 CCIIRVDYSLAVYIHIPGAKRLMLELPLVIGTIPYSGFGRRNSSVASQF SMDMCWLALALPEQPEAPPNY
 ADVVSEEEFSRHVPPYPQPSDCDGEACYSMFACIQEFRFQPPLYSEVDPHPGDAQETQPVSFIL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042592

ORF Size: 1245 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_001042592.2](#), [NP_001036057.1](#)

RefSeq Size: 3903 bp

RefSeq ORF: 1248 bp

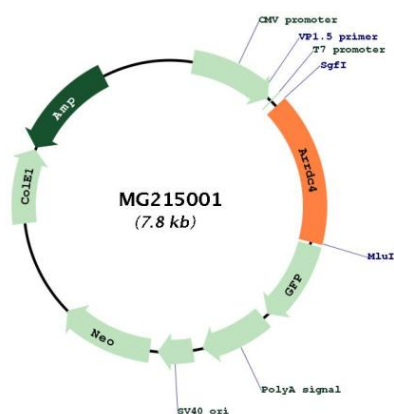
Locus ID: 66412

UniProt ID: [A0A0B4J1F4](#)

Cytogenetics: 7 C

Gene Summary: Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates (PubMed:27462458). Plays a role in endocytosis of activated G protein-coupled receptors (GPCRs) (By similarity). Through an ubiquitination-dependent mechanism plays also a role in the incorporation of SLC11A2 into extracellular vesicles (PubMed:27462458). May play a role in glucose uptake (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215001