OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG205534

ARRDC4 (NM_183376) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARRDC4 (NM_183376) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARRDC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG205534 representing NM_183376
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGGGGAGGCTGGGTGCGCGGCGGCCGTGGGTGCCGAGGGCCGCGTGAAGAGCCTGGGTCTGGTGT
TCGAGGACGAGCGCAAGGGCTGCTATTCCAGCGGCGAGACAGTGGCCGGGCACGTGCTGCTGGAGGCGTC
CGAGCCGGTGGCCCTGCGCGCGCTGCGCCTGGAGGCCCAGGGGCGCGCCACCGCCGCCTGGGGCCCGAGC
ACCTGCCCCCGCGCCTCGGCCAGCACCGCGGCCCTGGCTGTCTTCTCGGAGGTGGAGTACCTGAACGTGC
GCCTCAGCCTGCGGGAGCCCCCGGCCGGTGAAGGCATCATTTTATTACAGCCTGGAAAACATGAATTTCC
ATTTCGCTTTCAACTTCCATCTGAACCTTTGGTCACCTCGTTTACTGGGAAATATGGAAGCATTCAGTAC
TGTGTGCGGGCAGTGTTGGAACGACCCAAGGTACCTGATCAGAGTGTAAAGCGGGAACTCCAGGTTGTTA
GTCATGTCGATGTCAACACACCAGCATTATTAACCCCTGTATTGAAAACTCAAGAGAAAATGGTTGGCTG
TTGGTTTTTCACTTCTGGTCCAGTCTCGCTGAGTGCCAAAATTGAAAGAAAGGGATACTGTAATGGAGAA
GCTATTCCAATCTATGCAGAAATAGAAAATTGTTCCTCTCGTCTGATTGTTCCAAAGGCTGCTATTTTCC
AAACGCAGACATATTTGGCTAGTGGAAAAACAAAGACCATTCGACACATGGTCGCCAATGTGCGAGGAAA
CCACATCGCTTCTGGGAGCACAGACACATGGAATGGGAAAACGCTAAAAATCCCACCTGTTACTCCATCC
ATCCTGGATTGCTGCATTATCAGAGTGGACTATTCCTTAGCTGTATACATTCACATTCCTGGTGCTAAAA
AATTGATGCTCGAACTGCCATTAGTGATCGGTACAATTCCATATAATGGTTTTGGCAGCAGAAACTCCAG
CATTGCCAGCCAGTTCAGTATGGATATGAGCTGGTTGACACTGACCCTGCCAGAGCAGCCTGAAGCACCA
CCAAATTATGCAGATGTGGTATCAGAGGAAGAATTCTCTAGACACATTCCTCCTTACCCTCAACCCCCTA
ACTGTGAGGGAGAAGTGTGCTGTCCTGTGTTTGCCTGTATACAAGAATTCCGGTTTCAACCCCCACCTCT
TTATTCAGAGGTTGACCCACATCCTAGCGACGTAGAAGAGAGCCAGCCTGTTTCCTTCATTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

>RG205534 representing NM_183376
Red=Cloning site Green=Tags(s)

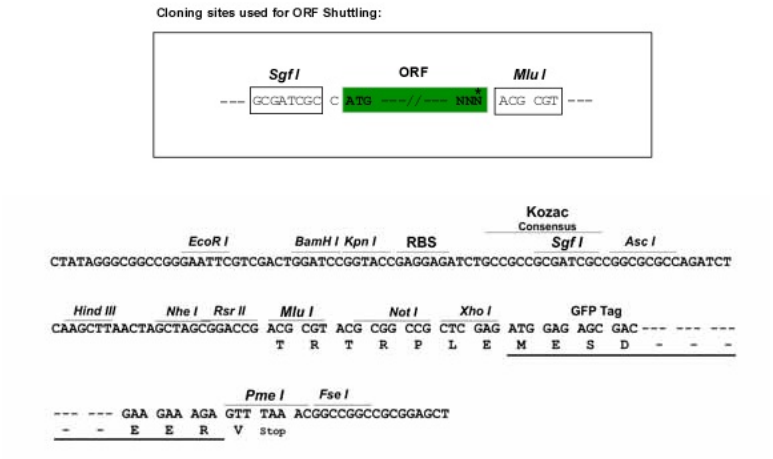
MGGEAGCAAAVGAEGRVKSLGLVFEDERKGCYSSGETVAGHVLLEASEPVALRALRLEAQGRATAAWGPS
TCPRASASTAALAVFSEVEYLNVRLSLREPPAGEGIILLQPGKHEFPFRFQLPSEPLVTSFTGKYGSIQY
CVRAVLERPKVPDQSVKRELQVVSHVDVNTPALLTPVLKTQEKMVGCWFFTSGPVSLSAKIERKGYCNGE
AIPIYAEIENCSSRLIVPKAAIFQTQTYLASGKTKTIRHMVANVRGNHIASGSTDTWNGKTLKIPPVTPS
ILDCCIIRVDYSLAVYIHIPGAKKLMLELPLVIGTIPYNGFGSRNSSIASQFSMDMSWLTLTLPEQPEAP
PNYADVVSEEEFSRHIPPYPQPPNCEGEVCCPVFACIQEFRFQPPPLYSEVDPHPSDVEESQPVSFIL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_183376

ORF Size: 1254 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_183376.3

RefSeq Size: 4074 bp

RefSeq ORF: 1257 bp

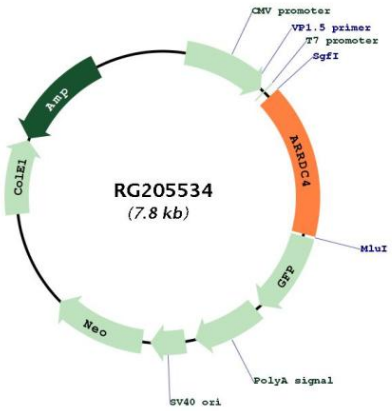
Locus ID: 91947

UniProt ID: Q8NCT1

Cytogenetics: 15q26.2

Gene Summary: Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates (By similarity). Plays a role in endocytosis of activated G protein-coupled receptors (GPCRs) (Probable). Through an ubiquitination-dependent mechanism plays also a role in the incorporation of SLC11A2 into extracellular vesicles (By similarity). May play a role in glucose uptake (PubMed:19605364).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205534