

Product datasheet for **RR208070**

Arrdc4 (NM_001047853) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arrdc4 (NM_001047853) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arrdc4
Synonyms: Ab1-209; LRRG00117
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208070 representing NM_001047853
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCTCACAAGCAGTATCTTGGTTGATTTTCAGACCTTTGGCAACATCGTTTACTGGAAAGTATGGCA
GCATTCACTACTGTGTGAGGGCTGTTTTGGAACGACCCCAAGTCCAGACCAGAGTGAAGAAGAGAGCT
CCAGGTTGTCAGTCACGTGGATGTCAACACACCACCTTATTGACTCCTATGCTGAAGACACAGGAGAAA
ATGTTGGCTGCTGGCTTTTCACTTCCGGTCCCGTGTCACTGAGCGTCAAGATCGAGAGAAAAGGGCTACT
GTAATGGAGAAGCTATCCCTATCTATGCAGAAATAGAAAATTGTTTCATCTCGCCTGGTTGTTCTAAGGC
AGCCATATTCCAAACCCAGACATATTTGGCTAGTGGAAAGACAAAGACAGTCCGGCAGATGGTTGCCAAT
GTTCTGGAAACCACTTGGTTCTGGGAGTACGGACACATGGAATGGGAAGATGCTGAAGATCCACCTG
TCACTCCGTCATCCTGGATTGCTGCATTATCAGAGTATACATTCACATTCCTGGTGCTAAAAAGTTGAT
GCTGGAGCTGCCCTTGGTTATTGGTACAATTCCCTACAGTGGCTTTGGCCGCAGAAACAGCAGTATGGCA
AGCCAGTTCAGTATGGACATGTGCTGGTTGGCACTGGCCCTGCCGAGCAGCCTGAAGCACCACCAAATT
ATGCAGATGGGTATCTGAAGAAGAATTCTCCGACACATTCCTCCTTATCCTCAGCCTTCTGCCTGTGA
CGGGGAAGCCTGCTACTCTATGTTTGCCTGCATACAAGAATTCCGGTTTCAGCCTCCGCCTTTTATTCA
GAGTCACATGCTCAGTTGTTTTGCCTGCAGCCTGTTGGTCCCACGAACCGAGCACACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208070 representing NM_001047853
 Red=Cloning site Green=Tags(s)

MSSQSSILVDFRPLATSFTGKYGSIQYCVRAVLERPQVPDQSVRRELQVVSHVDVNTPLLTPMLKTQEK
 MVGCWLF TSGPVSLSVKIERKGYCNGEAIPIYAEIENCSSRLVVPKAAIFQTQTYLASGKTKTVRHMVAN
 VRGNHIGSGSTDTWNGKMLKIPPVTPSILDCCIIRVYIHIPGAKKLMLELPLVIGTIPYSGFGRRNSSMA
 SQFSMDMCWLALALPEQPEAPPNYADVVEEF SRHIPPYPQPSACDGEACYSMFACIQEFRFPQPPPLYS
 ESHAQLFCLQPVGPTNRAHF

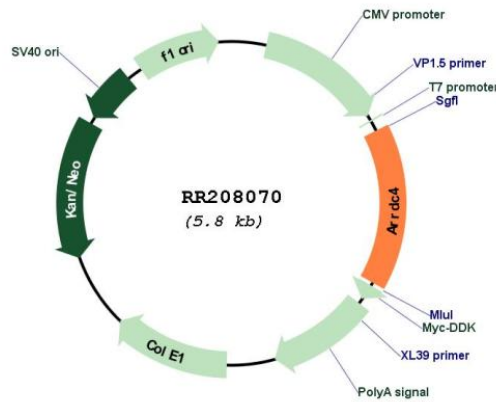
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001047853

ORF Size: 900 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:	<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_001047853.1 , NP_001041318.1
RefSeq Size:	949 bp
RefSeq ORF:	903 bp
Locus ID:	293019
UniProt ID:	Q7TP90
Cytogenetics:	1q22
MW:	33.3 kDa
Gene Summary:	Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates. Plays a role in endocytosis of activated G protein-coupled receptors (GPCRs) Through an ubiquitination-dependent mechanism plays also a role in the incorporation of SLC11A2 into extracellular vesicles. May play a role in glucose uptake.[UniProtKB/Swiss-Prot Function]