

Product datasheet for **RN208070**

Arrdc4 (NM_001047853) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arrdc4 (NM_001047853) Rat Untagged Clone
Tag: Tag Free
Symbol: Arrdc4
Synonyms: Ab1-209; LRRG00117
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208070 representing NM_001047853
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGCTCACAAGCAGTATCTTGGTTGATTTTCAGACCTTTGGCAACATCGTTTACTGGAAAGTATGGCA
 GCATTCACTACTGTGTGAGGGCTGTTTTGGAACGACCCCAAGTCCAGACCAGAGTGAAGAAGAGAGCT
 CCAGGTTGTCAGTCACGTGGATGTCAACACACCACCTTATTGACTCCTATGCTGAAGACACAGGAGAAA
 ATGGTTGGCTGCTGGCTTTTCACTTCCGGTCCCGTGTCACTGAGCGTCAAGATCGAGAGAAAAGGGCTACT
 GTAATGGAGAAGCTATCCCTATCTATGCAGAAATAGAAAATTGTTTCATCTCGCCTGGTTGTTCTAAGGC
 AGCCATATTCCAAACCCAGACATATTTGGCTAGTGGAAAGACAAAGACAGTCCGGCACATGGTTGCCAAT
 GTTCGTGGAAACCACTTGGTTCTGGGAGTACGGACACATGGAATGGGAAGATGCTGAAGATCCCACCTG
 TCACTCCGTCCATCCTGGATTGCTGCATTATCAGAGTATACATTCACATTCCTGGTGCTAAAAAGTTGAT
 GCTGGAGCTGCCCTTGGTTATTGGTACAATTCCCTACAGTGGCTTTGGCCGCAGAAACAGCAGTATGGCA
 AGCCAGTTCAGTATGGACATGTGCTGGTTGGCACTGGCCCTGCCGAGCAGCCTGAAGCACCACCAAATT
 ATGCAGATGGTATCTGAAGAAGAATTCTCCGACACATTCCTCCTTATCCTCAGCCTTCTGCCTGTGA
 CGGGGAAGCCTGCTACTCTATGTTTGCCTGCATACAAGAATTCCGGTTTCAGCCTCCGCCTTTTATTCA
 GAGTCACATGCTCAGTTGTTTTGCCTGCAGCCTGTTGGTCCCACGAACCGAGCACACTT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001047853
Insert Size: 903 bp



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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_001047853.1</u> , <u>NP_001041318.1</u>
RefSeq Size:	949 bp
RefSeq ORF:	903 bp
Locus ID:	293019
UniProt ID:	<u>Q7TP90</u>
Cytogenetics:	1q22
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]