

Product datasheet for **SC107616**

ARRDC4 (NM_183376) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARRDC4 (NM_183376) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARRDC4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107616 sequence for NM_183376 edited (data generated by NextGen Sequencing)

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ATGGGCGCGAGGCTGGGTGCGCGGCGGCCGTGGGTGCCGAGGGCCGCGTGAAGACCTG
GGTCTGGTGTTCGAGGACGAGCGCAAGGCTGCTATTCCAGCGCGAGACAGTGGCCGGG
CACGTGCTGCTGGAGGCGTCCGAGCCGGTGGCCCTGCGCGCGCTGCGCTTGGAGGCCAG
GGGCGCGCACCGCCGCTGGGGCCGAGCACCTGCCCCGCGCCTCGGCCAGCGCCGCG
GCCCTGGCTGTCTTCTCGGAGGTGGAGTACCTGAACGTGCGCCTCAGCCTGCGGGAGCC
CCGGCCGGTGAAGGCATCATTTTATTACAGCCTGGAAAACATGAATTTCCATTTTCGTTT
CAACTTCCATCTGAACCTTTGGTCACCTCGTTTACTGGGAAATATGGAAGCATTGAGTAC
TGTGTGCGGGCAGTGTGGAACGACCAAGGTACCTGATCAGAGTGTAAAGCGGGAATC
CAGGTTGTTAGTCATGTCGATGTCAACACACCAGCATTATTAACCCCTGTATTGAAAAC
CAAGAGAAAATGGTTGGCTGTTGGTTTTTCACTTCTGGTCCAGTCTCGCTGAGTGCCAAA
ATTGAAAGAAAGGATACTGTAATGGAGAAGCTATTCCAATCTATGCAGAAATAGAAAAT
TGTTCTCTCGTCTGATTGTTCCAAAGGCTGCTATTTTCCAAACGCAGACATATTTGGCT
AGTGGAACAAAGACCATTGACACATGGTCGCAATGTGCGAGGAAACCACATCGCT
TCTGGGAGCACAGACACATGGAATGGGAAAACGCTAAAAATCCCACCTGTTACTCCATCC
ATCCTGGATTGCTGCATTATCAGAGTGGACTATTCCTTAGCTGTATACATTACATTCCT
GGTGCTAAAAAATTGATGCTCGAACTGCCATTAGTGATCGGTACAATTCCATATAATGGT
TTTGGCAGCAGAACTCCAGCATTGCCAGCCAGTTCAGTATGGATATGAGCTGGTTGACA
CTGACCCTGCCAGAGCAGCCTGAAGCACCAAAATTATGCAGATGTGGTATCAGAGGAA
GAATTCTTAGACACATTCTCCTTACCCTCAACCCCTAACTGTGAGGGAGAAGTGTGC
TGTCTGTGTTTGCCTGTATACAAGAAATCCGGTTTTCAACCCCACTCTTTATTCAGAG
GTTGACCCACATCCTAGCGACGTAGAAGAGAGCCAGCCTGTTTCTTCATTCTCTGA

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Clone variation with respect to NM_183376.2
9 g=>c;169 c=>t;235 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_183376 unedited</p> <p>CAGGAATTTGTAATACGACTCACTATAGGGGCGGCCGCGATTCCGGCACCAATCGGGTAC CGCACGGCTGCCGCGCGGCCCTTACCCTGCCGCGAGCGCCTGTGACAGCGGCGCCGCTGT GCTCGCGACCCCGGCTCCGGGCCCTGCCGACCTCAGGGGCAGGAAAGAGTCGCCCGGCG GGATGGGCGGCGAGGCTGGGTGCCGCGCGGCCGTGGGTGCCGAGGGCCGCGTGAAGAGCC TGGTCTGGTGTTCGAGGACGAGCGCAAGGGCTGCTATTCCAGCGGCGAGACAGTGGCCG GGCACGTGCTGCTGGAGGCGTCCGAGCCGTTGGCCCTGCCGCGCGTGCCTTTGGAGGCC AGGGGCGCGCACCGCCCTGGGGCCGAGCACCTGCCCCGCGCCTCGGCCAGCGCCG CGGCCCTGGCTGTCTTCTCGGAGGTGGAGTACCTGAACGTGCGCCTCAGCCTGCGGGAGC CCCCGGCCGGTGAAGGCATCATTTTATTACAGCCTGAAAAACATGAATTTCCATTTTCGCT TTCAACTTCCATCTGAACCTTTGGTCACCTCGTTTACTGGGAAATATGGAAGCATTTCAGT ACTGTGTGCGGGCAGTGTGGAACGACCCAAGGTACCTGATCAGAGTGTAAAGCGGGAAC TCCAGGTTGTTAGTCATGTCGATGTCAACACACCAGCATTATTAACCCCTGTATTGAAAA CTCAAGAGAAAAATGGTNTGGCTGTGGTTTTTCACTTCTGGTCCAGTCTCGCTGAGTGCC AAAATGAAAGAAGGGATACTGNTATGGAGAAGCTATTCCAATCTATGCAGAAATAGAANA ATGTTCTCTCGTCTGATTGGTCCAAGGCTGCTATTTCAACGCAGACTATTGGNCTAGT GGAAAAACAAGACCATCGACACATGTCGNCATGTGCGAGGAACCACTCGCTCTGGNAGCCA ACNCTGNATGGNAAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_183376 unedited</p> <p>CTTGGAATGGCACTTCCAGNCCAGNANGAGCCTGGGNGGGGTACAGGGATGCCACCC GGGTATTCTGTTCCAGNAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTT TTTTTTTTTTTTTAGCATTAGTGAATAATTTTATTAATAAAATGAACCCATAGGGTT CAACAAGCATACAAAGTAATTTTTTTTTTCTGTGGGTTAAATTTTACATTTTTTAATA AAAAATAAGAAAGCTTTCATAGTTAACTTACAAAAACATAACGCTTGCCTATTGTTCT TACTGTGCAAAAACAAAACAAAGTTTTGCCACAGAAGGATTTTGTGACCAAAAACATGC ACATTTTCAATTTCAAAATTTCTGCATCAAAATGAAAATTCGAAGGCCACGTTTTTGT TTTCAAATAAAGAAGAGCAAGAGGGGAATCACCAGCAAATAACAGCAGCTACATTTTT AATCTTCATTTCCAGGATTTTTCTGTTTCAATGTAGAATTCTCCACATTCATAAAATGAT ATCTTCAACCTACTGCTTACAGTCAGATATGCCAGTATCAGTTCAATAAGGCAAGTCACA CCTTTTAGCTATTCTCTAAGTCTACAGAGATAGTTTCACTTCAATTTACAGGGACAC TTCATGATTTATCTAATAAAGGTGATAAGACAATCCTATGGAAGGATTCCTTAAGGTTG GTGTTTTCTAGATGGAACCAATAAATTAACCTTTCTCCTCCCACTACTGGGAGTTGG TTCTTTCAATAGGTTTAAGAAAACAAGGGAGCCAAAAAGGCTTGGGCGGGCCCTGAACCT AAATAATCAAAAAGTCAATAAAGTTTGAAGAATAATCCTTTCTAAGGGAAAAACCACT GTGTTAGCCGACATTTAAATTACGCGTTCGCCGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_183376
Insert Size:	4100 bp
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:

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_183376.1](#), [NP_899232.1](#)

RefSeq Size: 4071 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]