

Product datasheet for **SC100561**

ARRDC1 (NM_152285) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: ARRDC1

Mammalian Cell None

Selection:

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC100561 sequence for NM_152285 edited (data generated by NextGen Sequencing)

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ATGGGGCGAGTGCAGCTCTTCGAGATCAGCCTGAGCCACGGCCGCGTCGTCTACAGCCCC
GGGGAGCCGTTGGCTGGGACCGTGCGCGTGGGGGACCGCTGCCGTTCCGAGCC
ATCCGGGTGACCTGCATAGGTTCTGCGGGTCTCCAACAAGGCTAATGACACAGCGTGG
GTAGTGAGGAGGGTTACTTCAACAGTTCCCTGTCGCTGGCAGACAAGGGGAGCCTGCC
GCTGGAGAGCAGCTTCCCTTCCAGTTCCTGCTTCTGCCACTGCACCCACGTCCTTT
GAGGGTCTTTTCGGAAGATCGTGACACAGGTGAGGGCCGCATCCACAGCCACGGTTT
TCCAAGGATCACAAGTGCAGCCTCGTGTTCTATATCTTGAGCCCTTGAACCTGAACAGC
ATCCCAGACATTGAGCAACCAACGTGGCCTCTGCCACCAAGAAGTTCTCTACAAGCTG
GTGAAGACGGGCAGCGTGGTCTCACAGCCAGCACTGATCTCCGCGGTATGTGGTGGG
CAGGCACTGCAGCTGCATGCCGACGTTGAGAACCAGTCAGGCAAGGACACAGCCCTGTG
GTGGCCAGTCTGCTGCAGAAAGTGTCTATAAGGCCAAGCGCTGGATCCACGACGTACGG
ACCATTGCGGAGGTGGAGGTGCGGGCGTCAAGGCCTGGCGCGGGCGCAGTGGCACGAG
CAGATCCTGGTGCCTGCCTTGCCTCAGTGGCCCTGCCGGGCTGCAGCCTCATCCACATC
GACTACTACTTACAGGTCTCTCTGAAGGCGCCGGAAGCTACTGTGACCTCCCGGTCTTC
ATTGGCAATATTGCTGTGAACCATGCCCAAGTGAAGCCCGGCCAGGCCTGGGGCTGCCT
CCTGGGGCCCCACCCCTGGTGGTGCCTTCCGCACCAACCCAGGAGGAGGCTGAGGCTGAG
GCTGCGGCTGGCGGCCCCCACTTCTTGACCCCGTCTTCTCTCCACCAAGAGCCATTG
CAGGGCAGCCCCCTGCTGGCCACCTTGAGTTCTGTGCTGGTGGCGCGGAGCCCTGCCCT
CAGGATGGCAGCCCTGCCTCACACCCGCTGCACCTCCCTTGTGCAATTTCAACAGGTGCC
ACTGTCCCCTACTTTGCAGAGGGCTCCGGGGGGCAGTGCCCACTACCAGCACCTTGATT
CTTCTCCAGAGTACAGTTCTTGGGGCTACCCCTATGAGGCCCCACCGTCTTATGAGCAG
AGCTGCGGCGGCGTGGAACCCAGCCTGACCCCTGAGAGCTGA
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Clone variation with respect to NM_152285.2



5' Read Nucleotide
Sequence:

>OriGene 5' read for NM_152285 unedited
 GGTTTCATCTTTGTATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGGTGAGG
 CCGCGGCATGGGGCAGTGCAGCTCTTCGAGATCAGCCTGAGCCACGGCCGCGTCGTCTA
 CAGCCCCGGGGAGCCGTTGGCTGGGACCGTGCGCGTGCCTGGGGGCACCGCTGCCGTT
 CCGAGCCATCCGGGTGACCTGCATAGGTTCTCGGGGTCTCCAACAAGGCTAATGACAC
 AGCGTGGGTAGTGGAGGAGGTTACTTCAACAGTTCCTGTCGCTGGCAGACAAGGGGAG
 CCTGCCCGCTGGAGAGCACAGCTTCCCTTCCAGTTCCTGCTTCTGCCACTGCACCCAC
 GTCCTTTGAGGGTCCTTTCGGGAAGATCGTGCACCAGGTGAGGGCCGCCATCCACACGCC
 ACGGTTTTCCAAGGATCACAAGTGCAGCCTCGTGTCTATATCTTGAGCCCTTGAACCT
 GAACAGCATCCCAGACATTGAGCAACCCACGTGGCCTCTGCCACCAAGAAGTCTCTCTA
 CAAGCTGGTGAAGACGGGCAGCGTGGTCTCACAGCCAGCACTGATCTCCGCGGCTATGT
 GGTGGGGCAGGCACTGCAGCTGCATGCCGACGTTGAGAACCAGTCAGGCAAGGACACCAG
 CCCTGTGGTGGCAGTCTGCTGCAGAAAGTGTCTATAAGGCCAAGCGCTGGATCCACGA
 CGTACGGACCATTCNNNAGTGGAGGTGCNGGCGTCAAGGCCTGNCGGCGGGCGCAGTG
 GCACGAGCAGATCCTGGTGCCTGCTTTGCCCCAGTCGCCCTGCCGGGCTGCAGCCTCAT
 CCACATCGACTACTACTACAGGTCTCTCTGAAGCGCCNGAAGCTACTGTGACCTNCC
 GGTCTTCATTGGCATATTGCTGTGAACATGCC

3' Read Nucleotide
Sequence:

>OriGene 3' read for NM_152285 unedited
 NCGTTTCATCTAGGACGCGCCGCATTCTAGGTCGAGTTTTTTTTTTTTTTTTTCTACA
 AATAAAGTGTATTTATTTACAGGAGTTGGGGGTCCAGGTCCCAGCTCCCTGCCACCCCCAC
 CCCAGCCCCAGGAGAAGAGGGCGGATGCCAGAGGAGCTGGCAGAGGCTGGGCAGGTCTCT
 GAGTGGGCCAGGCTAGGCCAAGAGAGAAGGCACGAGGCCCTGGGCGCCCCAGTCCCAGGG
 CAGAGGCCAGGCTGCCTGGAGAAGGCAGCAGGGGTGAGCTCTCAGGGGTGAGGCTGGG
 TTCCACGCCGCCGAGCTCTGCTCATAAGACGTTGGGGCTCATAGGGGTAGCCCCAAGA
 ACTGTACTCTGGAGGAAGAATCAAGGTGCTGGTAGTGGGCACTGGCCCCCGGAGCCCTC
 TGCAAAGTAGGGGACAGTGGCACCTGTTGAAATGCACAAGGGAGGGTGCAGCGGGTGTGA
 GGCAGGGCTGCCATCCTGAGGGCAGGGCTCCGGCGCACCAGGCACAGAAGTCAAGGTGGC
 CAGCAGGGGTGCCGCTGCGAATGGCTCTTGGTGGAGAGGAAGACGGGGTCCAAGAAGTG
 GGGGCCGCCAGCCGAGCCTCAGCCTCAGCCTCCTCTGGGGTGGTGCCGGAAGGCACCA
 CCAGGGGTGGGGGCCCCAGGAAGCAGCCCCAGGCCTGGCCGGGGGCTCACTGGGGCATGG
 TTCACAGCAATATTGCCAAATGAAGACCGGGGAGGGTACAGTAGCTTCCGGGCGCCTTC
 AAAAAACCTGGTAGTAATANTCCATGTGGATGAAGCTGCANCCCGCAGGGCCGACTGGG
 GCAAGGCAGGCACCAAGATCTGCTCTGGCACTGCGCCCGGCCGAGCCTTGACCCCC

Restriction Sites:

ECORI-NOT

ACCN:

NM_152285

Insert Size:

1500 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152285.2, NP_689498.1</u>
RefSeq Size:	1621 bp
RefSeq ORF:	1302 bp
Locus ID:	92714
UniProt ID:	<u>Q8N5I2</u>
Cytogenetics:	9q34.3
Domains:	arrestin
Gene Summary:	Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates (PubMed:23886940, PubMed:27462458). Through an ubiquitination-dependent mechanism plays for instance a role in the incorporation of SLC11A2 into extracellular vesicles (PubMed:27462458). More generally, plays a role in the extracellular transport of proteins between cells through the release in the extracellular space of microvesicles (PubMed:22315426). By participating to the ITCH-mediated ubiquitination and subsequent degradation of NOTCH1, negatively regulates the NOTCH signaling pathway (PubMed:23886940).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).