

Product datasheet for **SC324193**

ARRDC1 (NM_152285) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARRDC1 (NM_152285) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARRDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_152285.2

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GGAGCCGGGACTCGCGGCGGGCGGGGCGTCTGCGCGGGTGGCCGGTGAGGCCG
CGGCATGGGGCGAGTGCAGCTCTTCGAGATCAGCCTGAGCCACGGCCGCTCGTCTACAG
CCCCGGGAGCCGTTGGCTGGGACCGTGCAGCTGCGCCTGGGGGACCGCTGCCGTTCCG
AGCCATCCGGGTGACCTGCATAGGTTCCCTGCGGGTCTCCAACAAGGCTAATGACACAGC
GTGGGTAGTGGAGGAGGTTACTTCAACAGTTCCTGTGCTGGCAGACAAGGGGAGCCT
GCCCCGTGGAGAGCACAGCTTCCCTTCCAGTTCTGCTTCTGCCACTGCACCCACGTC
CTTTGAGGGTCTTTTCGGAAGATCGTGCACCAAGTGAGGGCCGCCATCCACACGCCACG
GTTTTCCAAGGATCACAAGTGCAGCCTCGTGTCTATATCTTGAGCCCTTGAACCTGAA
CAGCATCCCAGACATTGAGCAACCAACGTGGCCTCTGCCACCAAGAAGTTCTCTACAA
GCTGGTGAAGACGGGCGAGCTGGTCTCACAGCCAGCACTGATCTCCGCGGCTATGTGGT
GGGGCAGGCACTGCAGCTGCATGCCGACGTTGAGAACCAGTCAGGCAAGGACACAGCCC
TGTGGTGGCCAGTCTGCTGCAGAAAGTGTCTATAAGGCCAAGCGCTGGATCCACGACGT
ACGGACCATTCGCGAGGTGGAGGGTGGGGCGTCAAGGCCTGGCGGCGGGCGAGTGGCA
CGAGCAGATCCTGGTGCCTGCCTTGCCCCAGTCGGCCCTGCCGGGCTGCAGCCTCATCCA
CATCGACTACTACTTACAGGTCTCTCTGAAGGCGCCGGAAGCTACTGTGACCTCCCGGT
CTTCATTGGCAATATTGCTGTGAACCATGCCCAAGTGAGCCCCCGCCAGGCCTGGGGCT
GCCTCCTGGGGCCCCACCCCTGGTGGTGCCTTCCGCAACCCAGGAGGAGGCTGAGGC
TGAGGCTGCGGCTGGCGGCCCCACTTCTTGACCCCGTCTTCTCTCCACCAAGAGCCA
TTCGACGCGGAGCCCCCTGCTGGCCACCTTGAGTTCTGTGCTGGTGGCGGAGCCCTG
CCCTCAGGATGGCAGCCCTGCCTCACACCCGCTGCACCCCTCCCTTGTGCATTTCAACAGG
TGCCACTGTCCCCTACTTTGAGAGGGCTCCGGGGGGCCAGTGCCCACTACCAGCACCTT
GATTCTTCTCCAGAGTACAGTTCTTGGGGCTACCCCTATGAGGCCCCACCGTCTTATGA
GCAGAGCTGCGGCGGCGTGAACCCAGCCTGACCCCTGAGAGCTGACCCCGTGTGCCTT
CTCCAGGCAGGCCTGGCCTCTGCCCTGGGACTGGGGCGCCAGGGCCTCGTGCCTTCTCT
CTTGGCCTAGCCTGGCCCACTCAGGACCTGCCAGCCTCTGCCAGCTCCTCTGGCATCCG
CCCTCTTCTCCCTGGGGCTGGGGTGGGGTGGCAGGGAGCTGGGACCTGGAGAGACAAC
CCTGTAATAAAACACTTTATTTGTAATAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	ECORI-NOT
ACCN:	NM_152285
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_152285.2</u> , <u>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).