

## Product datasheet for **RG207160**

### ARRDC1 (NM\_152285) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARRDC1 (NM_152285) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARRDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207160 representing NM_152285 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGGCGAGTGCAGCTCTTCGAGATCAGCCTGAGCCACGGCCGCGTCGTCTACAGCCCCGGGGAGCCGT  
TGGCTGGGACCGTGCAGCTGCGCCTGGGGGCACCGCTGCCGTTCCGAGCCATCCGGGTGACCTGCATAGG  
TTCCTGCGGGGTCTCCAACAAGGCTAATGACACAGCGTGGGTAGTGGAGGAGGGTTACTTCAACAGTTCC  
CTGTCGCTGGCAGACAAGGGGAGCCTGCCCGCTGGAGAGCACAGCTTCCCCTTCCAGTTCTGCTTCCCTG  
CCACTGCACCCAGTCCCTTTGAGGGTCCCTTCGGGAAGATCGTGCACCAGGTGAGGGCCGCCATCCACAG  
GCCACGGTTTTCCAAGGATCACAAGTGCAGCCTCGTGTCTATATCTTGAGCCCCCTGAACCTGAACAGC  
ATCCCAGACATTGAGCAACCCAACGTGGCCTCTGCCACCAAGAAGTTCTCTACAAGCTGGTGAAGACGG  
GCAGCGTGGTCCCTCACAGCCAGCACTGATCTCCGCGGCTATGTGGTGGGGCAGGCACTGCAGCTGCATGC  
CGACGTTGAGAACCAGTCAGGCAAGGACACCAGCCCTGTGGTGGCCAGTCTGCTGCAGAAAGTGTCTAT  
AAGGCCAAGCGCTGGATCCACGACGTACGGACATTGCGGAGGTGGAGGGTGGGGCGTCAAGGCCCTGGC  
GGCGGGCGCAGTGGCAGCAGCAGATCCTGGTGCCTGCCTTGCCCCAGTCGGCCCTGCCGGCTGCAGCCT  
CATCCACATCGACTACTACTTACAGGTCTCTCTGAAGGCGCCGGAAGCTACTGTGACCCTCCCGTCTTC  
ATTGGCAATATTGCTGTGAACCATGCCCCAGTGAAGCCCCGGCCAGGCCCTGGGGTGCCTCTGGGGCCC  
CACCCCTGGTGGTGCCTTCCGCACCACCCAGGAGGAGGCTGAGGCTGAGGCTGCGGCTGGCGGCCCCCA  
CTTCTTGACCCCGTCTTCTCTCCACCAAGAGCCATTTCGAGCGGCAGCCCTGCTGGCCACCTTGAGT  
TCTGTGCCTGGTGCAGCCGAGCCCTGCCCTCAGGATGGCAGCCCTGCCTCACACCCGCTGCACCCTCCCT  
TGTGCAATTTCAACAGGTGCCACTGTCCCTACTTTGCAGAGGGCTCCGGGGGGCCAGTGCCCACTACCAG  
CACCTTGATTCTTCTCCAGAGTACAGTTCTTGGGGCTACCCCTATGAGGCCCCACCGTCTTATGAGCAG  
AGCTGCGGCGCGTGGAACCCAGCCTGACCCTGAGAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207160 representing NM\_152285  
Red=Cloning site Green=Tags(s)

MGRVQLFEISLSHGRVVYSPGEPLAGTVRVRLGAPLPFRAIRVTCIGSCGVSNKANDTAWVVEEGYFNSS  
 LSLADKGS L PAGEHSFPFQFLLPATAPTSFEGPFGKIVHQVRAAIHTPRFSKDHKCSLVFYILSPLNLS  
 IPDIEQPNVASATKKFSYKLVKTGSVVL TASTDLRGYVVGQALQLHADVENQSGKDTSPVVASLLQKVSY  
 KAKRWIHDVRTIAEVEGAGVKAWRRAQWHEQILVPALPQSALPGCSLIHIDYYLQVSLKAPEATVTLPVF  
 IGNIHAVNHAPVSPRPGGLPPGAPPLVVP SAPPQEEAEAAAAGGPHFLDPVFLSTKSHSQRQPLLATLS  
 SVPGAPEPCPDGSPASHPLHPLCISTGATVPYFAEGSGGPVPTTSTLILPPEYSSWGYPYEAPPSYEQ  
 SCGGVEPSLTPEs

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_152285

**ORF Size:** 1299 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:**

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\\_152285.4](#)

**RefSeq Size:** 1621 bp

**RefSeq ORF:** 1302 bp

**Locus ID:** 92714

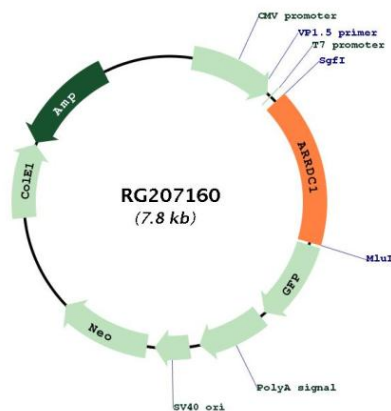
**UniProt ID:** [Q8N5I2](#)

**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]

## Product images:



Circular map for RG207160