

Product datasheet for **RN212844**

Arrdc1 (NM_001100770) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arrdc1 (NM_001100770) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arrdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212844 representing NM_001100770 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAGGGTGAGCTCTTCGAGATCCGCCTGAGTCAGGGCCGCGTCGTCTACAGTCTGGGGAGCCGC
TGGCTGGGGCCGTGCACTTGCCTGGGAGCGCCACTACCCTCCGAGCTATCCGGTGACCTGCATGGG
TTCCTGTGGGGTCTCCAACAAGGCCAACGATGGGGCATGGGTGGTGGAGGAGAGCTACTTCAACAGCTCC
CTATCACTGGCTGACAAGGGAAGTCTGCCACCTGGAGAGCACAACCTCCCTTTTCAGTTCCTGCTTCCTG
CCACAGCACCCACATCTTTCGAGGGCCCTTTGGGAAGATTGTGCACCAGGTGAGGGCGTCCATCGACAC
TCCACGTTTTTCCAAGGATCACAAATGCAGCCTCGTGTTCTACATCCTGAGCCCTTGAACCTGAACAGC
ATCCCAGATATCGAGCAACCCAATGTGGCCTCTACTACCAAGAAGTTCTCCTATAAGCTGGTGAAGACCG
GCAGTGTGGTCTCACAGCTAGCACGGACCTTCGTGGCTATGTGGTAGGACAGGTGCTGCGGCTGCAGGC
TGACATTGAGAACCAGTCGGGCAAGGACACCAGCCCTGTGGTGGCCAGCTTGCTACAGAAGGTGCCTAT
AAGGCCAAGCGTGGATCTATGATGTGCGGACCATTGCAGAGGTGGAGGGCACAGGTGTCAAGGCCCTGGA
GGCATGCTCAGTGGCAAGAACAGATCCTGGTGCCTGCCCTGCCCCAGTCAGCCCTGCCTGGCTGCAGCCT
TATCCACATCGACTATTACCTTCAGGTCTCCATGAAAGCACCCGAGGCCACCGTGAATCTCCCACTATTT
GTTGGCAATATTGCTGTGAACCAAACTCCACTGAGCCCCTGTCCAGGCCAGGGTCTTCTCCTGGGCTGC
TGTCGCCAGTGGTGCCTCTGCACCTCCTCAGGAAGAGGCTGAGGCAAGTGGCTAGTGGCCCTCACTTCTC
AGACCCTGTCTCACTCTCCACCAAGAGCCATTCTCAGCAGCAGCCACTGTCTACTACATTGGGTTCTGTG
TCTGTCAACCACATTGAGCCGTGTGTTCAAGTTGGAAGTCTGTAGACATTCTCTGCACCTCCCTTGT
GCATCTCTATAGGTGCCACTGTCCCTACTTTGCAGAAGGCTCTGGGGGCCAGTACCTACCACAGCGC
CTTGATCCTTCTCCAGAGTACAGTTATGGGGCTACCCCTATGAGGCTCCACCATCCTATGAGCAGAGC
TGTGGTGTGGTGTACAGATGTTGGCCTGATCCAGGGAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001100770
Insert Size:	1305 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:	<u>NM_001100770.1, NP_001094240.1</u>
RefSeq Size:	1597 bp
RefSeq ORF:	1305 bp
Locus ID:	366001
UniProt ID:	<u>B0BNL6</u>
Cytogenetics:	3p13
Gene Summary:	Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates. Through an ubiquitination-dependent mechanism plays for instance a role in the incorporation of SLC11A2 into extracellular vesicles. More generally, plays a role in the extracellular transport of proteins between cells through the release in the extracellular space of microvesicles. By participating to the ITCH-mediated ubiquitination and subsequent degradation of NOTCH1, negatively regulates the NOTCH signaling pathway. [UniProtKB/Swiss-Prot Function]