

Product datasheet for **RR215241**

Arhgdig (NM_001108269) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgdig (NM_001108269) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arhgdig
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215241 representing NM_001108269
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTGGGCTGGACGCGTGCAGCTGGGGCGCAGCTGTTGGAGCTGCTCCGGCTGGCGCTGTGCGCC
GAGTTCTTTGGCTGACAAGGATGGGGAGCCAACTCCATCAGACGAGGTGCTGGACGAAATTGTACCAGA
GTACCGGGCCCTGGGAAGAAGAGCATGCTGGAGATTTGCAGCTGGACCTGGGGACGTGAGCTTGGTC
AAGTACAAGCAGGCGCTCCTTGGCCCCCTGCCACCCATTATGGACCCAGCCTGCCCAAGTGCAAGTGA
CTAGGCTGACACTGCTGACGGAGCATGCTCCAGGGCCTATGGTCATGGACCTTACAGGAGACCTAGATGC
ACTGAAAAACCAGGTGTTTGTCTGAAGGAGGGCATTGAATACAAGGTGAAGTACACCTCAAGGTCAAC
AAGGAGATTGTCAGTGGCCTCAAATGTCTACATCACACCTATCGTCGGGGACTGCGTGTGGACAAGGCCA
CCTTCATGGTGGGAAGCTATGGCCCCAGGGCCAGGAGTGAATTTGTGACTCCAGTGGAGGAAGCACC
CAGGGGAGCATTGGCACGTGGTCTGTACGTGGTCAGGTCCTCTTACCAGTATGACAGGCTGAACCAC
CTGTCTGGGAGTGGTGCCTCCATGTCTGCCAGGACTGGAAGGAC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215241 representing NM_001108269
Red=Cloning site Green=Tags(s)

MLGLDACELGALQLELLRLALCARVLLADKDGEPSTPSDEVLDEIVPEYRAPGKKSMLIWIQLDPGDVSLV
KYKQALLGPLPPIIMDPSLPNVQVTRLTLLEHAPGPMVMDLTGDLDALKNQVFLKEGIEYKVKITFKVN
KEIVSGLKCLHHTYRRGLRVDKATFMVGSYGPRAQEYEFVTPVEEAPRGALARGLYVVRSLFTDDRLNH
LSWEWCLHVCQDWKD

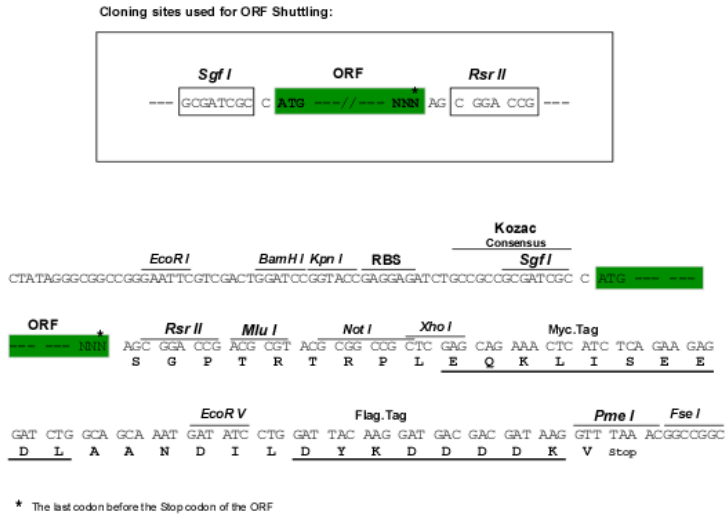
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV



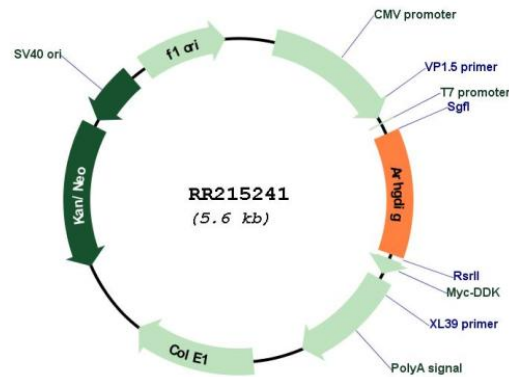
[View online »](#)

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108269

ORF Size: 675 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:	<ol style="list-style-type: none">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_001108269.1, NP_001101739.1</u>
RefSeq Size:	1042 bp
RefSeq ORF:	678 bp
Locus ID:	360500
Cytogenetics:	10q12
MW:	25.3 kDa