

Product datasheet for **RG236831**

ART5 (NM_001297668) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ART5 (NM_001297668) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ART5
Synonyms:	ARTC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236831 representing NM_001297668. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGCTGGCGCTTTGATGATCGCCCTCGGCAGCCTCGGCCTCCACACCTGGCAGGCCAGGCTGTT
CCCATCTGCCCTGGCCTGGCTCCAGACACCTTTGACGATACCTATGTGGTTGTGCAGAGGAGATG
GAGGAGAAGGCAGCCCCCTGCTAAAGGAGGAAATGGCCACCATGCCCTGCTGCGGGAATCCTGGGAG
GCAGCCCAGGAGACCTGGGAGGACAAGCGTCGAGGGCTTACCTTGCCCCCTGGCTTCAAAGCCCAGAAT
GGAATAGCCATTATGGTCTACACCAACTCATCGAACACCTTGACTGGGAGTTGAATCAGGCCGTGCGG
ACGGGCGGAGGCTCCCGGAGCTCTACATGAGGCACTTCCCTTCAAGGCCCTGCATTTCTACCTGATC
CGGGCCCTGCAGCTGCTGCGAGGCACTGGGGGCTGCAGCAGGGGACCTGGGGAGGTGGTGTCCGAGGT
GTGGGCAGCCTTCGCTTTGAACCAAGAGGCTGGGAGACTCTGTCCGCTTGGGCCAGTTTGCCTCCAGC
TCCCTGGATAAGGCAGTGGCCACAGATTTGGGGAGAAGAGGCGGGGCTGTGTCTGCGCCAGGGGTG
CAGCTAGGGTCACAACTGAGGGGGCTCCTCTGCCCCCTGGAAGACTCTGCTTTGGCCCCCTGGA
GAGTTCAGCTCTCAGGGGTTGGGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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Protein Sequence: >Peptide sequence encoded by RG236831
 Blue=ORF Red=Cloning site Green=Tag(s)

MALAALMIALGSLGLHTWQAQAVPILPLGLAPDTFDDTYVGC AEEMEEKAAPLLKEEMAHHALLRESWE
 AAQETWEDKRRGLTLPFGKAQNGIAIMVYTNSNTLYWELNQAVRTGGGSREL YMRHFPPKALHFYLI
 RALQLLRGSGGCSRGPGEVFRVGVSLRFEPKRLGDSVRLGQFASSSLDKAVAHRFGEKRRGCVSAPGV
 QLGSGSEGASSLPPWKTL LLLAPGEFQLSGVGP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001297668

ORF Size: 717 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).

RefSeq: [NM_001297668.2](#)

RefSeq Size: 1484 bp

RefSeq ORF: 720 bp

Locus ID: 116969

UniProt ID: [Q96L15](#)

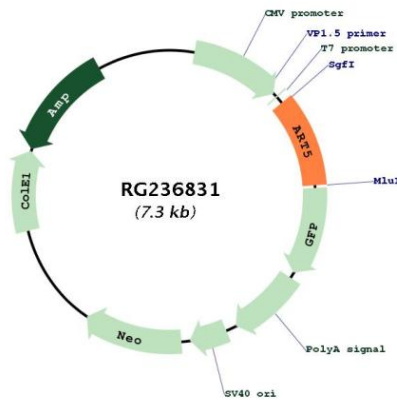
Cytogenetics: 11p15.4

Protein Families: Secreted Protein

MW: 26.4 kDa

Gene Summary: The protein encoded by this gene belongs to the ARG-specific ADP-ribosyltransferase family. Proteins in this family regulate the function of target proteins by attaching ADP-ribose to specific amino acid residues in their target proteins. The mouse homolog lacks a glycosylphosphatidylinositol-anchor signal sequence and is predicted to be a secretory enzyme. Several transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG236831