

Product datasheet for **RG214593**

ARL10 (NM_173664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ARL10
Synonyms:	ARL10A
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214593 representing NM_173664
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCCGCGGCCGCTGGGCCCTTGGTGCTGGCGCTGGGCGGCCGCGCGGTGCTGGGCTCGGTGC
TCTTCATCCTCTGGAAGACCTACTTCGGCCGCGGCCGAGAGCGGCGCTGGGACCGGGAGAGGCCTGGTG
GGGCGCGGAGGCTGCCCGCCTCCCCGAGTGGGACGAGTGGGACCCGAGGACGAGGAGGACGAGGAGCCG
GCGCTGGAGGAGCTGGAACAGCGCAGGTGCTGGTGCTGGGCTGGATGGCGCAGGCAAGACACGTTCC
TGCGCGTGTTCGCGGGAAGCCACCGCTGGAAGGCCACATCCCCACCTGGGGCTTCAACTCCGTGCGTCT
GCCACCAAGGACTTTGAGGTGGACCTGCTAGAAATTGGGGCAGCCAGAACCTGCGCTTCTACTGGAAG
GAGTTTGTGAGCGAGGTGGATGTGCTGGTGTTCGTTGGTGGACTCGGCTGACCGACTGCGGCTGCCCTGGG
CCCGACAGGAGCTGCACAAGCTGCTGGACAAGGACCTGACCTGCCTGTCGTCGTGGTGGCCAACAAGCA
GGACCTGAGCGAGGCCATGAGTATGGGGGAGCTGCAGCGGGAGCTGGGTCTACAGGCTATCGATAACCAG
CGGGAGGTTTTCTCTTGGCAGCCAGCATTGCCCTGCAGGACCCACCTTTGAAGAGCCTGGCACCGTGC
ACATCTGAAACTGCTCTTGGAGCTCCTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



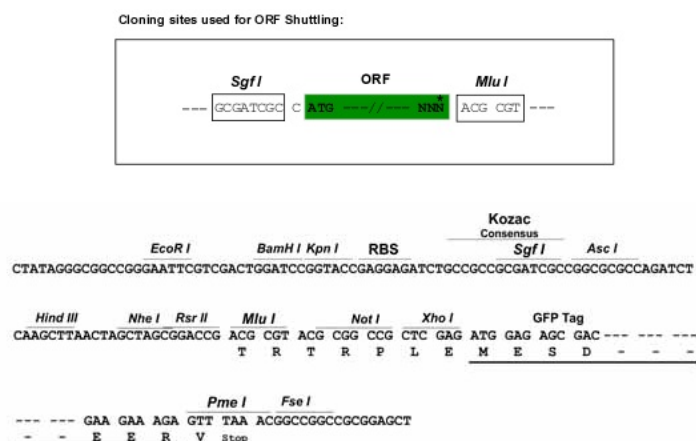
Protein Sequence: >RG214593 representing NM_173664
Red=Cloning site Green=Tags(s)

MAPRPLGPLVLALGGAVALGGSVLFILWKTYFGRGRERRWRDRGEAWWGAEARLPEWDEWDPEDDEEDP
ALEELEQREVVLGLDGAGKSTFLRVLSGKPPLEGHIPTWGFNSVRLPTKDFEVDLLEIGGSQNLRFYWK
EFVSEVDLVFVVDSDRLRLPWARQELHLLDKDPDLPVVVVANKQDLSEAMSMGELQRELGLQAIDNQ
REVFLAASIAPAGPTFEFPGTVHIWKLLELLS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173664

ORF Size: 732 bp

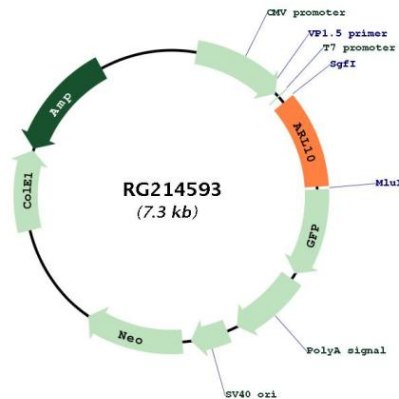
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_173664.6</u>
RefSeq Size:	2858 bp
RefSeq ORF:	735 bp
Locus ID:	285598
UniProt ID:	<u>Q8N8L6</u>
Cytogenetics:	5q35.2
Protein Families:	Transmembrane

Product images:



Circular map for RG214593