

Product datasheet for RG215504

ARL5A (NM_012097) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: ARL5A
Synonyms: ARFLP5; ARL5
Mammalian Cell: Neomycin
Selection:

Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215504 representing NM_012097
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATCGACTCACTATAAGGCGGCCGGAATCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGAATTCTTCACTAGAATATGGAGACTGTTCAATCACCAGGAGCACAAGTTATCATTGTTGGCC
 TGGATAATGCAGGGAAAACCTACCAATTCTTACCAATTCTATGAATGAAGTTGTACATACATCTCCTAC
 AATAGGAAGTAATGTAGAAGAGATAGTGTAAATAATACACGTTCTTAATGTGGGATATTGGTGGCCAA
 GAATCTCTCGTCTCTGGAAACACTTACTACTAACTAACACAGAGTTGTAAATAGTTGTGACAGTA
 CAGACAGAGAGGAGTTCTGTAACTAGAGAAGAACTCTATAAAATGTTAGCCATGAGGACCTAAGAAA
 AGCTGGATTGCTGATTTTGCTAATAAAACAAGATGTTAAAGAATGCATGACTGTAGCAGAAATCTCCAG
 TTTTGAAAGCTAATCTATTAAAGATCACCAGTGGCATATCCAGGATGCTGCTTAACGGCGAGG
 GATTGTGCCAAGGACTTGAATGGATGATGTCACGACTTAAGATTAGA

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG215504 representing NM_012097
 Red=Cloning site Green=Tags(s)

MGILFTRIWRLFNHQEHKVIVGLDNAGKTTILYQFSMNEVVHTSPTIGSNVEEIVINNTRFLMWDIGGQ
 ESLRSSWNTYYTNTFVIVVVSTDTRERISVTREELYKMLAHEDLRKAGLLIFANKQDVKECMVVAEISQ
 FLKLTSIKDHQWHIQACCALTGEGLCQGLEWMMMSRLKIR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

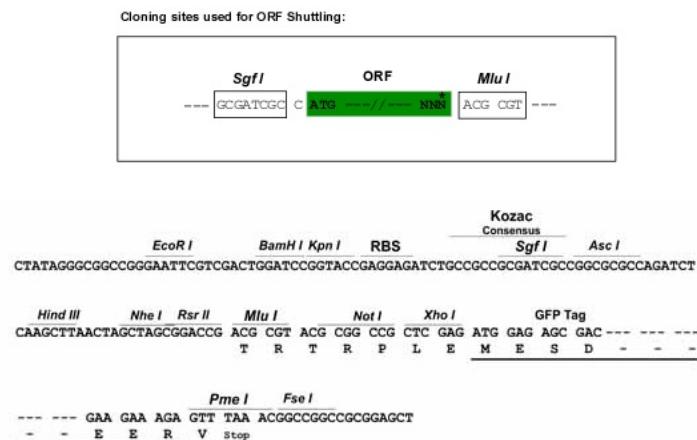


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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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Cloning Scheme:**ACCN:** NM_012097**ORF Size:** 537 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: [NM_012097.4](#)

RefSeq Size:	1546 bp
RefSeq ORF:	540 bp
Locus ID:	26225
UniProt ID:	Q9Y689
Cytogenetics:	2q23.3
Domains:	SAR, ARF, arf
Gene Summary:	The protein encoded by this gene belongs to the ARF family of GTP-binding proteins. With its distinctive nuclear/nucleolar localization and interaction with HP1alpha, the protein is developmentally regulated and may play a role(s) in nuclear dynamics and/or signaling cascades during embryonic development. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene has multiple pseudogenes. [provided by RefSeq, Jul 2008]

Product images: