

Product datasheet for **RG215560**

ARL5A (NM_177985) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARL5A (NM_177985) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ARL5A
Synonyms: ARFLP5; ARL5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG215560 representing NM_177985
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGAAGTTGTACATACATCTCCTACAATAGGAAGTAATGTAGAAGAGATAGTGATTAATAATACAC
GTTTCCTAATGTGGGATATTGGTGGCCAAGAATCTCTTCGTTCTTCTGGAACACTTACTATACTAACAC
AGAGTTTGTAAATAGTTGTTGTGGACGTACAGACAGAGAGAGGATTTCTGTAAGTAGAGAAGAAGCTCTAT
AAAATGTTAGCGCATGAGGACCTAAGAAAAGCTGGATTGCTGATTTTTGCTAATAACAAGATGTTAAAG
AATGCATGACTGTAGCAGAAATCTCCAGTTTTTGAAGCTAACTTCTATTAAGATCACCAGTGGCATAT
CCAGGCATGCTGTGCTCTAACTGGCGAGGGATTGTCCAAGGACTTGAATGGATGATGTCACGACTTAAG
ATTAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215560 representing NM_177985
Red=Cloning site Green=Tags(s)

MNEVVHTSPTIGSNVEEIVINNTRFLMWDIGGQESLRSSWNTYYTNTFVIVVVDSTDRERISVTREELY
KMLAHEDLRKAGLLIFANKQDVKECMTVAEISQFLKLTISKDHQWHIQACCALTGEGLCQGLEWMSRLK
IR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_177985.3</u>
RefSeq Size:	2911 bp
RefSeq ORF:	429 bp
Locus ID:	26225
UniProt ID:	<u>Q9Y689</u>
Cytogenetics:	2q23.3
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]