

Product datasheet for MR201621

Arl5b (NM_029466) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arl5b (NM_029466) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arl5b
Synonyms: 4930587A11Rik; Arl8; AW146430
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201621 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGGGTGATCTTCGCTAACTGTGGAGCCTTTTTGTAACCAAGAGCACAAAGTAATCATTGTGG
 GACTGGATAACGCGGGGAAAACCACCATTCTGTATCAGTCTTAATGAATGAAGTAGTTCATACTCTCC
 AACCATAGGAAGCAATGTTGAAGAAATCGTTGTGAAGAACAATCTTTCCCTTATGTGGGATATCGGCGGT
 CAAGAATCTCTGAGGTCATCCTGGAACACCTATTACTCAAACACAGAGTTCATCATTCTTGTGTGGATA
 GCATTGACAGGGAACGCCTGGCTATTACGAAAGAAGAATTATACAGAATGTTGGCCCATGAGGATTTAAG
 GAAAGCTGCAGTCTTATCTTTGCAAATAAACAGGATATGAAAGGGTGATGACAGCAGCTGAAATCTCC
 AAATACCTCACCTAAGTTCAATCAAGGACCACCGTGGCACATCCAGTCGTGCTGTGCGCTCACAGGAG
 AAGGGTTGTGCCAAGGTCTAGAGTGGATGACCTCCAGGATTGGTGTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201621 protein sequence
 Red=Cloning site Green=Tags(s)

MMGLIFAKLWSLFCNQEHKVIIVGLDNAGKTTILYQFLMNEVVHTSPTIGSNVEEIVVKNTHFLMWDIGG
 QESLRSSWNTYYSNTEFIIIVVDSIDRERLAITKEELYRMLAHEDLRKA AVLIFANKQDMKGCMTAAEIS
 KYLTLSSIKDHPWHIQSCCALTGEGLCQGLEWMTSRIGVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_029466

ORF Size: 543 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

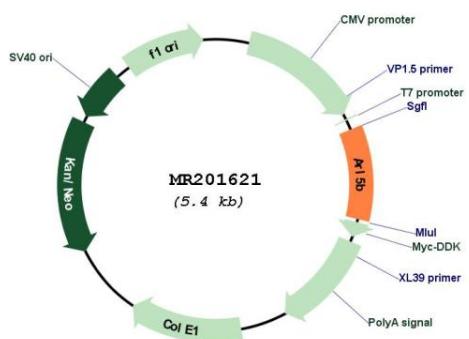
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

RefSeq: [NM_029466.1](#), [NM_029466.2](#), [NM_029466.3](#), [NM_029466.4](#), [NP_083742.2](#)

RefSeq Size: 3594 bp
 RefSeq ORF: 543 bp
 Locus ID: 75869
 UniProt ID: [Q9D4P0](#)
 Cytogenetics: 2 A2
 MW: 20.5 kDa
 Gene Summary: Binds and exchanges GTP and GDP.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR201621