

Product datasheet for MR201301

Arl2bp (NM_024191) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arl2bp (NM_024191) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arl2bp
Synonyms: 1700010P10Rik; 1700027H16Rik; 6330544B05Rik; AI482273; AI849834; BART; Bart1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201301 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGCCCTAGAAGAAGAGAGCTTCGCGCTGTCCTTCTCCTCCGCTCTGATGCAGAATTTGATGCTG
 TGGTTGGATGTTAGAGGACATTATTATGGATGATGAGTCCAGTTATTGCAGAGAACTTCATGGACAA
 GTACTACCAGGAATTTGAAGACACAGAAGAGAATAAACTCACCTATACCCATTTTTAATGAATATATC
 TCCCTGGTAGAGAAGTACATTGAAGAGCAGTTGCTGGAGCGTATCCAGGCTTCAACATGGCGGCCCTCA
 CAACCACGCTGCAGCACCACAAAGATGAGGTGGCTGGCGACATCTTTGACATGCTGCTCACATTCACGGA
 TTTTCTGGCTTTCAAGGAGATGTTCTGGACTACAGAGCAGAAAAGGAAGCCGAGGACTGGACTTAAGC
 AGCGGCTTGTTGTGACTTCTGTGTAAAGTCATCTTCTACGCCAGCTCCAGAACAACTGCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201301 protein sequence
 Red=Cloning site Green=Tags(s)

MDALEEESFALSFSASDAEFDVVGLEDIIMDDEFQLLQRNFMKYYQEFEDTEENKLYTPIFNEYI
 SLVEKYIEEQLLERIPGFNMAAF TTTLQHHKDEVAGDIFDMLLTFDFLAFKEMFLDYRAEKEGRGLDLS
 SGLVVTSLCKSSSTPASQNNLRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_024191

ORF Size: 492 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.

RefSeq: [NM_024191.2](#), [NP_077153.1](#)

RefSeq Size: 2095 bp

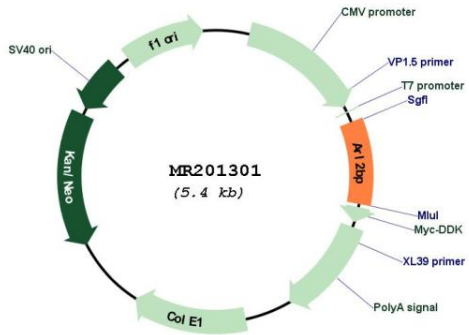
RefSeq ORF: 492 bp

Locus ID: 107566

UniProt ID: [Q9D385](#)

Cytogenetics: 8 C5
MW: 18.8 kDa
Gene Summary: Together with ARL2, plays a role in the nuclear translocation, retention and transcriptional activity of STAT3. May play a role as an effector of ARL2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201301