

Product datasheet for **MC202393**

Arl2 (NM_019722) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arl2 (NM_019722) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arl2
Synonyms: 2610009M23Rik; A1115441; AW553335
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC060259 sequence for NM_019722
 AGCGGCCGGGAGGGGGCTACGGGATCATGGGGCTTCTGACCATTCTGAAGAAGATGAAGCAGAAAAGAGCG
 AGAGCTGCGGCTGCTCATGCTTGGCTTGGACAACGCTGGCAAAACAACCATCCTCAAGAAGTTCAATGGA
 GAAGACGTGGACACCATCTCCCCGACACTGGGCTTCAACATCAAGACCCTGGAGCACCGCGATTCAAGC
 TGAACATCTGGGATGTAGGTGGCCAGAAGTCTCTGCGCTCCTACTGGAGGAACTACTTTGAGAGCACGGA
 TGGCCTCATCTGGGTGGTGGACAGCGCCGACCGCCAGCGCATGCAGGACTGTCAGCGAGAGCTGCAGAGC
 CTAAGTGGTGGAGGAGCGCCTGGCTGGAGCAACCCTCCTCATCTTTGCCAATAAGCAGGACCTGCCTGGAG
 CACTGTCTGTAAATGCTATTGAGGAGCCCTGGAGCTGGACTCCATCCGCAGCCACCACTGGCGCATCCA
 GGGCTGCAGTGTGTACAGGGGAAGACCTGCTGCCTGGCATCGACTGGCTCCTTGATGACATTTCCAGT
 CGTGTCTTTACTGCCGACTGAGCTTCTCAGTGTCCCCAGGTCCCTGTCCTCATCAGACACCAGCCAGAG
 GGATGAGCACCAGCTGGCCAGACTAACACTCCCAACCCACCATGACCTGCTGCTGCTATTACTGCCCAT
 TGCTGCTCCCCCGGTGAGGGCTGTACCCCTGTCTCCCAAAGTGGCTGCAGCTGCCATGCCAAAAGGAA
 AGGCTGGGCTGGGAGGGACTACCTGCTGCTGCCAGGGTCTAGGTGTCGCTCGCCTCGGTCCAGCAGTG
 AGAATAAAGCACTCTTACCCAGAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI
ACCN: NM_019722
Insert Size: 555 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	BC060259 , AAH60259
RefSeq Size:	931 bp
RefSeq ORF:	555 bp
Locus ID:	56327
UniProt ID:	Q9D0J4
Cytogenetics:	19 A
Gene Summary:	<p>Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). GTP-binding protein that does not act as an allosteric activator of the cholera toxin catalytic subunit. Regulates formation of new microtubules and centrosome integrity. Prevents the TBCD-induced microtubule destruction. Participates in association with TBCD, in the disassembly of the apical junction complexes. Antagonizes the effect of TBCD on epithelial cell detachment and tight and adherens junctions disassembly. Together with ARL2, plays a role in the nuclear translocation, retention and transcriptional activity of STAT3. Component of a regulated secretory pathway involved in Ca(2+)-dependent release of acetylcholine. Required for normal progress through the cell cycle.</p> <p>[UniProtKB/Swiss-Prot Function]</p>