

Product datasheet for **MG203711**

Arl14ep (NM_173750) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arl14ep (NM_173750) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Arl14ep
Synonyms: 2700007P21Rik; 4930448O08Rik; ARF7EP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203711 representing NM_173750
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCGTGTTTCAGTTGGAGTCCAGCTTCGTACCACACGACTGCCATAAAACCTTCTATACTCGGC
ACACAGGTTTCAAGACATTGAAAGAATTGTCATCAAATGACATGCTTTTACTTCAGCTTAGAACTGGAAT
GACACTTCTGGGAATAATAACAATTTGCTCCATCACGTAATAATTTATATTGACAGATTTGAAGATTTG
CGAAGTCGTGTTGTGACCCATTAACATACACAAGAAGCTAGCCAAAAAGAACCTGCACGTCATTGACT
TAGATGATGCCACTTTTCTGAGCGCCAAGTTTGAAGACAGCTTGTACCTGGTTGGAAGCTTTGCCCCAA
ATGTACCCAGATCATCAATGGAAGTGTGGACGTTGATTACAGATGACCGCCAGAGACGGAACCCGACTCA
GATGGAAGGACTGCTAAAGCTCTGAGGTCACTACAGTTTACAAACCCAGGGAAGCAAACCTGAATTTGCTC
CAGAAGGCGGTAAGAGGGAGAAAAGAAAGCTCACCAAAGCCACAAGCGCTGCTTCTGACAGACAAATAT
TCCAGCAAAGAGTAAGGTGTATGACAGCCAGGGCCTGCTGATTTTCAGTGGCATGGACCTCTGCGACTGC
CTGGACGAGGACTGCTTGGGATGCTTCTACGCTTGCCCACTTGTGGCTCTACCAAATGTGGGCTGAGT
GCCGCTGCGACCGAAAGTGGCTGTATGAGCAGATAGAGATTGAAGGAGGAGAGATAATCCATAATAAACA
TGCTGAAAAGCATATGGTCTGTTATCTCCCTGTCACCCATATGATATTTTACAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203711 representing NM_173750
 Red=Cloning site Green=Tags(s)

MDPCSVGVQLRRTTHDCHKTFYTRHTGFKTLKELSSNDMLLLQLRTGMTLSGNNTICLHHVKIYIDRFEDL
 RKSCCDPFNIHKKLAKKNLHVIDLDDATFLSAKFGRQLVPGWKLCPKCTQIINGSVDVSDDRQRKPD
 DGRTAKALRSLQFTNPGKQTEFAPEGGKREKRKLTKATSAASDRQIIPAKSKVYDSQGLLIFSGMDLDCD
 LDEDCLGCFYACPTCGSTKCGAECRCRDKWLYEQIEIEGGEIIHNKHAGKAYGLLSPCHPYDILQK

TRTRPLE - GFP Tag - V

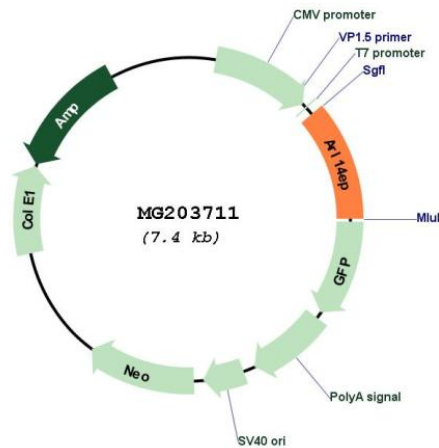
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_173750

ORF Size: 831 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:	<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:	NM_173750.2 , NP_776111.1
RefSeq Size:	3263 bp
RefSeq ORF:	831 bp
Locus ID:	212772
UniProt ID:	Q8BIX3
Cytogenetics:	2 E3
Gene Summary:	Through its interaction with ARL14 and MYO1E, may connect MHC class II-containing cytoplasmic vesicles to the actin network and hence controls the movement of these vesicles along the actin cytoskeleton in dendritic cells.[UniProtKB/Swiss-Prot Function]