

## Product datasheet for **MC226730**

### **Arl14ep (NM\_173750) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arl14ep (NM\_173750) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Arl14ep  
**Synonyms:** 2700007P21Rik; 4930448O08Rik; ARF7EP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226730 representing NM\_173750  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCCGTGTTCAAGTGGAGTCCAGCTTCGTACCACACAGCTGCCATAAAACCTTCTATACTCGGC  
ACACAGGTTTCAAGACATTGAAAGAATTGTCATCAAATGACATGCTTTTACTTCAGCTTAGAACTGGAAT  
GACACTTTCTGGGAATAATAACAATTTGCTCCATCACGTAATAATTTATATTGACAGATTGAAGATTTG  
CAGAAAGTCGTGTTGTGACCCATTTAACATACACAAGAAGCTAGCCAAAAAGAACCTGCACGTCATTGACT  
TAGATGATGCCACTTTTCTGAGCGCCAAGTTTGAAGACAGCTTGACCTGGTTGGAAGCTTTGCCCAA  
ATGTACCCAGATCATCAATGGAAGTGTGGACGTTGATTCAGATGACCGCCAGAGACGGAACCCGACTCA  
GATGGAAGGACTGCTAAAGCTCTGAGGTCACAGTTTACAAACCCAGGGAAGCAAACTGAATTTGCTC  
CAGAAGGCGGTAAGAGGGAGAAAAGAAAGCTCACCAAAGCCACAAGCGCTGCTTCTGACAGACAAATTA  
TCCAGCAAAGAGTAAGGTGTATGACAGCCAGGGCCTGCTGATTTTCAGTGGCATGGACCTCTGCGACTGC  
CTGGACGAGGACTGCTTGGATGCTTCTACGCTTGCCCACTTGTGGCTCTACCAATGTGGGCTGAGT  
GCCGCTGCGACCGAAAGTGGCTGTATGAGCAGATAGAGATTGAAGGAGGAGAGATAATCCATAATAACA  
TGCTGAAAAGCATATGGTCTGTTATCTCCCTGTCACCCATATGATATTTTACAAAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_173750  
**Insert Size:** 831 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_173750.2</a></u> , <u><a href="#">NP_776111.1</a></u>
<b>RefSeq Size:</b>	3263 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	212772
<b>UniProt ID:</b>	<u><a href="#">Q8BIX3</a></u>
<b>Cytogenetics:</b>	2 E3
<b>Gene Summary:</b>	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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 3. All four variants encode the same protein.