

## Product datasheet for **RN215043**

### **Arl14ep (NM\_001014045) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arl14ep (NM\_001014045) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Arl14ep  
**Synonyms:** ARF7EP; RGD1311463  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN215043 representing NM\_001014045  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCCGTGCTCGGTCCGAGTCCAGCTTCGCACCACACATGACTGCCATAAAACCTTCTACACTCGGC  
ACACGGGCTTCAAGACATTGAAAGAATTGTCATCAAATGACATGCTTTTACTTCAGCTTAGAACTGGAAT  
GACACTTTCTGGGAATAATACGATTTGTCTCCATCATGTAAAAATTTATATTGAAAGATTGAAGAGTTA  
CAGAAATCATGTTGTGACCCATTTAACATACACAAAAAGCTAGCCAAAAAGAATCTACATGTAATTGACT  
TAGATGATGCCACTTTTCTGAGTGCAAAGTTTGAAGGCAGCTCGTACCTGGTTGGAAGCTTTGCCAAA  
ATGTACCCAGATCATCAATGGAAGCGTGGATGTTGATTCAGATGACCGCCAGAGACGAAACCCGAGTCA  
GATGGAAGGACTGCTAAAGCTCTGAGGTCACTACAGTTTACAAACCCAGGAAAGCAAACCTGAATTTGCTC  
CAGAAAGTGGTAAAAGGGAGAAAAGGAAGCTCACCAAAAATGCAAGCGCTAGTTCTGACAGACAAATTA  
TCCAGCAAAGAGTAAGGTGTATGACAGCCAGGGCCTGCTGATATTCAGCGGCATGGACCTCTGCGACTGC  
CTGGACGAGGACTGCTTGGGATGCTTCTACGCTGCCACCTGTGGCTCCACCAATGTGGGCGGAGT  
GCCGCTGCGACCGCAAGTGGCTGTATGAGCAGATAGAGATTGAAGGAGGCGAGATAATCCATAATAACA  
CGCTGGCAAAGCATATGGTCTGTTATCTCCCTGTCACCCATATGATATTTACAAAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001014045  
**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>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_001014045.1</a></u> , <u><a href="#">NP_001014067.1</a></u>
<b>RefSeq Size:</b>	1347 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	311279
<b>UniProt ID:</b>	<u><a href="#">Q5FVK8</a></u>
<b>Cytogenetics:</b>	3q33
<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]