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Product datasheet for MC202044

Arl14ep (NM_001025102) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arl14ep (NM_001025102) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arl14ep
Synonyms:	2700007P21Rik; 4930448O08Rik; ARF7EP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC054106 sequence for NM_001025102
GACAAGAGGTAATCCGGAAAGCCGAGCTTGGCCTGTGCAGAGACGGTGCTTCCGGAGCCCAGCGGAGACC
CGTGGCAGCTCAGGTGGACCGGGCCGGGTCGGGCCGTAGGGCTGTTGACCTATCAAAGAGATTTCTAGAC
AAAATAAAAGAGGGGGAAATTGATAGAATCAAGGACGATGGATCCGTGTTCAGTTGGAGTCCAGCTTCGT
ACCACACACGACTGCCATAAAACCTTCTATACTCGGCACACAGGTTTCAAGACATTGAAAGAATTGTCAT
CAAATGACATGCTTTTACTTCAGCTTAGAACTGGAATGACACTTTCTGGGAATAATACAATTTGTCTCCA
TCACGTAAAAATTTATATTGACAGATTTGAAGATTTGCGGAAGTCGTGTTGTGACCCATTTAACATACAC
AAGAAGCTAGCCAAAAAGAACCTGCACGTCATTGACTTAGATGATGCCACTTTTCTGAGCGCCAAGTTTG
GAAGACAGCTTGTACCTGGTTGGAAGCTTTGCCCCAAATGTACCCAGATCATCAATGGAAGTGTGGACGT
TGATTCAGATGACCGCCAGAGACGGAAACCCGACTCAGATGGAAGGACTGCTAAAGCTCTGAGGTCACTA
CAGTTTACAAACCCAGGGAAGCAAACTGAATTTGCTCCAGAAGGCGGTAAGAGGGAGAAAAGAAAGCTCA
CCAAAGCCACAAGCGCTGCTTCTGACAGACAAATTATTCCAGCAAAGAGTAAGGTGTATGACAGCCAGGG
CCTGCTGATTTTCAGTGGCATGGACCTCTGCGACTGCCTGGACGAGGACTGCTTGGGATGCTTCTACGCT
TGCCCCACTTGTGGCTCTACCAAATGTGGGGCTGAGTGCCGCTGCGACCGAAAGTGGCTGTATGAGCAGA
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ATTGAACAGTGATATTTCTGGAAGTGAAGTTTGGATCAGTCCTGAATGGAATTGTAGACATCGCCGCTGG
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AACCCACATTGCTGAGGGAAGCAGCTGGGATGAGCAAGAAGACGGTCCTAGACAAAGTTATGGTAAAAAC
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ATTCATTCCTTTTTTTTAACATTTAAAACATGAGTGTATAGTTCATAAATGGCTGCATATTTGTCTCAGT
CACTGTTCCATTGCTGTGAAGAGATACCATAACCAAGGCAATGCTTATAAAAAGAAGCATTGAGGGCTTG
CTTACAGTTTCAAAGGCTTAGCCCATTAACCATCATGGTGGGGAGAACGGTGGCCTGCAGAAAGATGTGT
CAGTATCTGAGATCTTTATGTCCTTACCCACAGGCAAGAGAGCCTGGCATGGCTTTTGAAACCTCAGTGC
TCACCACCAATGACATACTTTTCTAGCAAGGCCACCCCTTCTAACTCTTATCAGATAGTACCACCCGCTG
GTAAACAAGCATTCAAGTGTATGATGAGCCTATGGGACCCTTATTCAAACCTTCACAGCAGTATTTCTGA
CTGTTAAAACTGGATAGATGTGATAGATAGACTTCTAAAAATGTCCCTCAAGAGAGTGATGGAAAGTTGG
AGACGCTGGGGCATGTGGGATAGAAACAGGGCTTCTGGGTACTGATGAAGGCCGCTGAGAAGTCAGAATG
GAAGCAGCCCCAGCACTTCTTACTAAAGCCTTCGGCAGGCTCCCGGAGCCTCCAAGCTGCTGCTGTTCCG
AGTCTTAGCAGCTTAGAGTGCTTGGAAGCATGAAAGCCAGTTGGAATTTTCCAGTAAAATAGCATTTTTG
TTTAGTAGGTTATTCTACACTTGCTTGCTTTTCTTTGATAAAATGTCATTTTCAACTTGAAATTAAATGT
GCTTTCATTTAGGGTTTTTCTTTGGCCCAAGTGTCAGAAACCTAATGAGCAAATCACTAGATCTGAATGT
CAGCTAATTGGTATCAAAACAGTTTTTAACTATATTTTTAAATTAAAAGGTAGAATTGTTTACTTTTTCT
AATTTAAGGAAATGTTTTGCAGGGCTAAACTCTAGTTTTATCTGAATCCTTAGAATCCTTTGGTTTTAGT
CATTTTTTTATTGTCTCTTTTTGTTCCTTTGTGTGAGTTAGGGCTGCACATTGCTTGGACTCTTGAGAGA
AAACTTTTATTTGTTTTCTATCATTCTGTTTCCTTGCTGCAGGGCCTTGCACTGTAGCCCAGGCTGGCCC
TGGACCTCTGCAGGCTTCGCACCACAGCCTTTTCACGCTGGGCAACATGCATGTGTTACCAGGCTGCTAA
ATTTAAAGTTTGGGCCATTTATTTTTACTTACAATGGGAGTATATTTCTAGTGGGGAAAAGGCTTTGTAT
AAAAATGGCTATATTAATTATTCCTTCAAACGTATCTGTTCTTTTTGTAAAGAGAATAACGTTTTCCAAG
GGGAAGAGTCTCAACAGTTGCTGTGTGTTCTTTGTATGTATTCGGAGACCAAACATACCGTAGAGTTTAT
AGACAAAAGTATATCTGATCTTGAGTAAACTAATAAAGACTGTATTTTAGAAATAAACAATGCAGGCTTA
CTGTTTAATTTTTAAGTATGTATGTGAGAGAGAGAGAGATCTTAAGTACACTAATAAAGACTTTTAGAAA
TAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN:	NM_001025102
Insert Size:	831 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).
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:	BC054106, AAH54106
RefSeq Size:	3354 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] Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. All four variants encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.