

## Product datasheet for **MC221202**

### Arhgap28 (NM\_172964) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap28 (NM_172964) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap28
Synonyms:	AU044757; AW550892; E130310N06
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221202 representing NM\_172964  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGTGGAGGACTCGGGCGCGTGGTGTGACCCGCTACCACTCGCACGCGCGCTCGCAACCCGAGG  
 GCGCTGAGCCACGCTGCGCGTCCCGGGCCAGCCATCCGCTCAGCAGAAAAATCCATTCTCGCTGCCGACG  
 AATCAACAGGATGCTCTCCAATGAATCCCTGCATCCTCCCTCCTTTAGTCGCTCCAACTCTCAAGCCTCA  
 GTAGACAGCAGCGCATCCATGGAGGAGTTCCTGCGGAAATTGAGAGTATCAAAGAGAGCAGCGTGGGGG  
 CGTCGCAGGAGCAGCCACCCACTGCTGCTGCTGCTGCTGAAGTCAAGCCAGTGGATGAAGGAGAGCT  
 TGAAGCGGAGTGGCTACAAGATGTGGGATTGTCAACTCTGATCTGGCAACGAAGGAAGACGGTAA  
 GCGCTCTGTCTACATTGACTCGGACCCAAGCTGCTGCAGTAAAAAGAGATAACAACACATACTCAGA  
 CTCTGAGGAAAAAGAATAACAACCCGTCAGGGATGTCAGAGACATCTTCGGAGTCAGCGAATCTCTCC  
 TAGTGATTCTTGTGAGCATGCTACTCAGTTGGACGGTACCAAGGAAGAAAAAGATCTGCCAGGAGTTACC  
 AAGACAAGCAGACCTCTGCCAGACGATGCTTCTCAGTGTACCAACCCCTATCCAATGGCGCCAGGATG  
 AAGAAGGTGGTTTTGTGGCCCTACAGAGTGGTCTGTGTCAATACTTGAGGCTATCCCGGATATTGCTGT  
 TCACACCAATGGATCTGCAGATGCTGAGCAGTCGGTTCAGAGCACATTGAGTGTGATGATTATCACGGG  
 AAGAAGCTTCCAGCAGAGGCTGAAGAGCTGTCTTTGAGGTCTTACTCAGAAATGGTGACAGAAATGC  
 CTGATAGAAATAAATGGAAGAAGTCGGACATTAAGAAAGAAGACTATGTCTTAACTAAATTTATCATTCA  
 GAAAACAAGATTTGGGTTGACCGAGACGGGGACCTGTCTGTGGAAGACATGAAGAAAATCCGCCACCTC  
 TCTCTGATTGAGCTGACAGCCTTCTTCGATGCTTTTGGGATACTGAAGAGAAAACAAACCGAGCGAG  
 TGAGAGCCGAGACAACGGGATTTTCGGAGTGCCACTTACAGTCTCTGGACAATGACCGGAAGAAGGA  
 CCCTGCAGTAAAAGTCCCTGGTGTACAAAAATTTTTTCAGAAAGTCGAGGAATCAGGTCTGGAATCG  
 GAAGGAATTTTTCGACTCTCGGGATGTACTGCCAAAGTCAAGCAGTACCGCAAGAACTGGATGCCAGGT  
 TCAATGCTGACAAGTTCAAGTGGGACAAGATGTGTACAGAGAAGCTGCGGTCTGTTGAAAGCATTCTT  
 CAGAGAGCTGCCACCTCTCTTCCCTGTTGAATATATACCGCCTTCATCTCTGATGGAAAGAGGA  
 CCTGACATCAAAGTGCAGTTTCAAGCCTTGACCTCATGGTCTGCGCCCTGCCTGATGCCAACAGGGACA  
 CAGCGCAGGCTCTGATGGCATTCTCAATAAAGTATCGCCAACGAATCCAAGAACCGCATGAACCTGTG  
 GAACATTTCCACAGTGTGGCGCCCACTTGTCTTTCAGCAGAAGCAAGCACTCTGACTGCGAGGAACTG  
 CTGCTGGCCAACACGGCGACCCACATCATCCGCTGATGCTGAAGTACCAGAAGATTCTGTGGAAGTTTC  
 CATCTTTCTTGATCACCCAGGTCAGAAGGATGAATGAGGCCACCATGCTGTTGAAGAAGCAGCTCCCGAG  
 TATGAAGAAGCTGCTCAGGAGGAAGACCCTGGATCGAGAGGTTTCAATCCTCAAGACCTCAAGGTACCA  
 CAAAAATCACCTTCTCAAGAAGAATGTCTGATGTGCCAGAAGGTGTATAAGGGTCCACGCTCCACTTC  
 TGTCCAAAGTGTCCATGGCCATTGAGCTCAACAGTCAAGCAAGGCAAGGATATCTGGCGAAATTTCA  
 GTATGAGAACAGTCATGGTTTCTGACATATTAAGATGCAGAACCAAGGTTATATGAAGTTGGAGGA  
 AATATAGGACAACACTGTTTAGATCCTGATGCATATATTTGGATGTGTATCATATAAATCCTCATGCAG  
 AATGGTTCATCAAGCCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_172964

**Insert Size:** 2190 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).

<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_172964.4</a></u> , <u><a href="#">NP_766552.3</a></u>
<b>RefSeq Size:</b>	5317 bp
<b>RefSeq ORF:</b>	2190 bp
<b>Locus ID:</b>	268970
<b>UniProt ID:</b>	<u><a href="#">Q8BN58</a></u>
<b>Cytogenetics:</b>	17 E1.1-E1.2
<b>Gene Summary:</b>	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]