

Product datasheet for **MC221748**

Arhgap6 (NM_178754) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap6 (NM_178754) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap6
Synonyms:	A1504284; RhoGAPX-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221748 representing NM_178754
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGACCCGCTCTACAGCGAGAAACCCGCTCTGCACTACGCGGGTGACTTCACCTGGAACAGCATGT
 CTGGTCGTAGCGTGCCTGAGGTCAGTCCCATCCAGAGCCTCTCAGAGCTGGAGCGGGCACGACTGCA
 GGAAGTGCTTTTTATCAGTTGCAGCAGGACTGTGACCTGGGCTGTGAGATCACCATCCCCAAAGATGGA
 CAAAAGAGAAAGAAATCTTTGAGAAAGAACTGGATTCACTAGGGAAGGAAAAGAACAAGACAAAGAAT
 TCATCCCACAGGCATTTGGAATGCCCTTATCCCAAGTCATTGCTAATGACCGGGCATATAAACTGAAGCA
 AGACTTGACAGAGGGAGGAGCAGAAGGATGCATCATCGGATTTTGTGCTTCCCTCTCCATTTGGGAAT
 AAAAAACAAAACAAGAACTCTCAAGCAGTAACATCTCTCAGCTCAACCTCAGAAACACCAAATGAGT
 CTACATCACCGAATACTCCAGAACCAGCTCCTCGGGCCAGGAGAAGGGGCCATGTCCGTGGATCCAT
 CACTGATCTGGATGACAACCAGTCTGACTCCTAGAAGCTTTACAACCTCCTTGCTGCTGAGGCTCAG
 AGTAAAAAAGAAAAGGCCAGAGATAAGAAGCTGAGTCTGAATCCTATTTACAGGCAGTCCCCAGGCTGG
 TGGACAGCTGCTGTCAACATCTGAAAAACATGGCCTCCAGACAGTGGGGATATTCAGAGTTGGAAGCTC
 AAAGAAGAGAGTAAGACAATTGCGTGAAGAATTTGACCGTGGGTTGATGTCTGTCTGGAAGAGGAGCAT
 AGTGTTCACGATGTGGCAGCCTTGTAAAGGAGTTCCTTAGAGACATGCCTGACCCCTTCTCACAAGGG
 AGCTATACACTGCATTTATCAACTCTCCTGTGGAGCCTGAGGAACAACCTGGGCACCTTGCAACTCCT
 CATTTACCTTCTACCTCCCTGCAACTGCGACACCTCCACCGCCTCTACAGTTCCTCTCCATTGTGGCC
 AGGCATGCTGATGATAATGTGACAAAGATGGACAAGAGGTTACTGGGAACAAAATGACATCTCTGAAC
 TAGCCATATATTTGGACCAACCTGCCACAAGCAGAAGTCACTAGACAAGAAATATTCTGTTGAGAG
 CTCAGCCAGAGCTGAGGAGAGCACAGCCATCATAGCTGTGGTACAGAAGATGATTGAAAATTATGAAGCC
 TTGTTGATGGTTCCCCAGATCTCCAGAATGAAGTGTGATCAGCCTTCTAGAGACAGATCCAGATGTTG
 TGGACTACTTGCTCAGAAGAAAGGCTTCCCAATCCTCGAGCCCTGACATACTTCAGACGGAAGTTTCCTT
 TTCCATGGGAGGGAGGCATTCATCTACAGATTCACAACAAAGCCTCCAGTGGAGACATCTCCCTTATGAC
 AACAACTCCCCAGTATTGTCTGAGCGCTCCCTGCTGGCTATGCAAGAGGACAGGGCCCGGGGGGCTCGG
 AGAAGCTTTATAAAGTGCCAGAGCAGTATACACTGGTGGCCACTTGTGATCGCCAAAGTCAAAGTCAAG
 AGAAAGTTCTCCTGGACCAAGGCTTGGAAAAGAAATGTCAGAGGAGCCTTCAATATCTGGGAACTTGG
 CATTCAACATTAAGTGGATCCAAGACCCAGGAATGACAGGCTCTTATGGCGACATTTTGAAGCA
 GCTCCCTCCGACCGAGGCTTGTCTCTTCTCAAGGAACTTTCCCTGAACTGGCCTCGGTGTCAAGG
 GAGCCCGACAGGGCTGGACAGTGGCACTCAGGTAATTCGGAGGACTCAGACGGCGGCCACCGTGGAGCAG
 TGCAGTGTCCACCTTCCGGTGTGACGTGTCTGCAGCACTCCCCACATCCAGGACGGCAGCAGGGGACCA
 GGCGGCTGCAGCCAGCTCTGATCCATTTTGTCCCTAAACAGCACAGAAGATCTAGCTGAGGGCAAGGA
 GGATGTTGCTGGCTGCAAAGCCAGGCCGACCTGTGTACCAGAGACCTCAGGAGAGTGGAAAAGATGAC
 AGGCGCCCCCTCCTCTTACCCGGGTGAGGAAAGCCTGCCACAACCTTGCCAGCTGCCACTAGAGC
 CTCCCCGTGGAGGCTCCAGAGGCATGAAGAAGGTTGAGAAACAGCTGTGGAAGGAGGCCAGCAGGCCTC
 AGGGGAGCATCAGACCAGGCCAAAAAACTGAGCAGCGCCTACTCCCTCTCAGCCAGCAGCAGGACAAA
 CAGAAGTTAGGGGAAGCCAGCTGGCTCGACTGGCAGCGAGAGCGGTGGCAGATCTGGGAGCTTCTATCAA
 CTGATAACCCGACGCCCTCCCGAAACCTAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_178754
Insert Size: 2418 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:	<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_178754.3 , NP_848869.1
RefSeq Size:	4058 bp
RefSeq ORF:	2418 bp
Locus ID:	11856
UniProt ID:	O54834
Cytogenetics:	X F5
Gene Summary:	<p>GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. Could regulate the interactions of signaling molecules with the actin cytoskeleton. Promotes continuous elongation of cytoplasmic processes during cell motility and simultaneous retraction of the cell body changing the cell morphology (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the use of an alternate promoter, differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>