

Product datasheet for MC222984

Arhgap6 (NM_009707) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap6 (NM_009707) 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)
Fully Sequenced ORF:	>MC222984 representing NM_009707 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGCGCAGAGCCTGCTGCACAGTGTCTTCTCCTGCTCCTCGCCCGCTCGGGCGGCACGGCCTCGG
CCAAGGGATTCTCCAAAAGGAAGCTGCGCCAGACGCGCAGCCTGGACCCAGCTCTGATCGGTGGTGCGG
GAGCGAGATGGGCGCCGAGGGCGGCTGCGGGGCTCCACAGTAAGCCGCCTCCATTCTCCACAGCTCTTA
GCAGAGGGTCTCGTTCCCGCTTAGCTTCTTCTCCCGGAGTCAGCACCTTCGGGCTACCCGGTTCAGAG
CTCCGAGACCTCTGTGCTCGTCTTTTTCCACCAAGTACCCCGCAAGAAAAGTCGCCTTCTGGCAGCTT
CCACTTTGACTACGAGGTCCCACTGAGTCGCAAGTGGTCTCAAGAAGAGCATGGCCTGGGACTTGCCTTCT
GTCTGGCCGGTCCGGTCCGCTAGTAGCCGAGTCCCGCAAGCATCCTCAGTTCCTCCGGGGAGGCC
CCAATGGCATCTTCTTCTCCTAGGAGATGGCTCCAGCAGAGGAAGTCCAGCCTCCACCTAACAGTCCG
CAGTACCCTTACGTCGTGTGGAGGTCCGAGGGTACTTACCTGGAACAGCATGTCTGGTTCGTAGCGTG
CGCCTGAGGTGAGTCCCATCCAGAGCCTCTCAGAGCTGGAGCGGGCAGCACTGCAGGAAGTGGCTTTT
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TTTGAATGCCCTTATCCCAAGTATTGCTAATGACCGGCATATAAACTGAAGCAAGACTTGCAGAGGG
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ACAACCAGTCTCGACTCCTAGAAGCTTTACAACCTCCTTGCCTGCTGAGGCTCAGAGTAAAAAAGAAAA
GGCCAGAGATAAGAAGCTGAGTCTGAATCTATTTACAGGCAGGTCACCGGCTGGTGGACAGCTGCTGT
CAACATCTGAAAAACATGGCCTCCAGACAGTGGGGATATTCGAGTTGGAAGCTCAAAGAAGAGAGTAA
GACAATTGCGTGAAGAATTTGACCGTGGGGTTGATGTCTGTCTGGAAGAGGAGCATAGTGTTCACGATGT
GGCAGCCTTGTTAAAGGAGTTCCTTAGAGACATGCCTGACCCCTTCTCACAAGGGAGCTATACACTGCA



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TTTATCAACACTCTCCTGTTGGAGCCTGAGGAACAACTGGGCACCTTGCAACTCCTCATTTACCTTCTAC
CTCCCTGCAACTGCGACACCCTCCACCGCCTCCTACAGTTCCTCTCCATTGTGGCCAGGCATGCTGATGA
TAATGTCAGCAAAGATGGACAAGAGGTTACTGGGAACAAAATGACATCTCTGAACCTAGCCACTATATTT
GGACCCAACTGCTCCACAAGCAGAAGTCATCAGACAAAGAATATTCTGTTCCAGAGCTCAGCCAGAGCTG
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AGAAGAAAGGCTTCCCAATCCTCGAGCCTGACATACTCAGACGGAAGTTTCTTTTCCATGGGAGGGA
GGCATTCTACAGATTCCAACAAAGCCTCCAGTGGAGACATCTCCCCTTATGACAACAACTCCCCAGT
ATTGTCTGAGCGCTCCCTGCTGGCTATGCAAGAGGACAGGGCCCGGGGGGCTCGGAGAAGCTTTATAAA
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AGGCCTTGTCTCTTTCTCAAGGAACTTTCCCTGAACTGGCCTCGGTGTCAGGGAGCCCGACAGGGC
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TCCTTACCCGGGGTCAAGGAAAGCCTGCCACAACCTCTGCCAGCTGCCACTAGAGCCTCCCCTGTGGAGG
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GCCCTCCCGAAACCCTAGTATAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_009707

Insert Size:

2964 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:
[NM_009707.4](#), [NP_033837.2](#)
RefSeq Size:

5515 bp

RefSeq ORF:

2964 bp

Locus ID: 11856

UniProt ID: [O54834](#)

Cytogenetics: X F5

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). 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.