

Product datasheet for **MC219871**

Arhgap25 (NM_175476) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap25 (NM_175476) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap25
Synonyms:	A130039I20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219871 representing NM_175476
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGGGGAGCAGATGGCGGCCCTTTCACCCACCCACCACTCCCAACCCCTGGAAAGGCCAATTAAGG
 TGGGCTGGCTGAAGAAGCAGAGGTCCATCGTGAAAACTGGCAGCAGCGTACTTTGTGTTGAGAGCTCA
 GCAACTCTACTACTACAAGGACGAAGAGGACTCAAAGCCACAGGGCTGCATGTATCTGCCAGGCAGTACA
 GTCAAAGAAATTGCCACAAACCCGAAGAAGCTGGGAAATTTGTCTTTGAAGTTATTCCAGCCTCAAGTG
 ACCAGAACCGCATTGGACAAGACTCCTACGTCCTCATGGCCAGCTCCCAGGTAGAGATGGAGGAGTGGGT
 TAAGTTCCTCAGGAGAGTTGCTGGCACGCCCTCTGGAGCGGTGTTGGCCAGCGTCTGGATGAGACTGTG
 GCCTATGAGCAGAAGTTGGCCCTCACCTGGTGGCCATCTTGGTGGAGAAGTGCCTGAGTTCATCTGG
 AACATGGTGTGAGTGAAGAGGGCATCTCCGCCTGCCCGGCAGGACAACCTTGTGAAGCAGCTGAGAGA
 TGCTTTTCGATGCGGGGGAGCGGCCCTCCTTTGACAGGGACACAGATGTGCACACGGTGGCATCTCTACTA
 AAGCTCTACCTCCGAGACTGCCAGAGCCTGTGGTTCTTGGAGTCAGTATGAAGGGTTCCTGCTCTGTG
 GGCAGCTCATGAACGCAGATGAGGCAAAGGCTCAGCAGGAGTTGGTGAAGCAGCTTTCTACCCCTCCCCG
 AGCAACTACAACCTCCTGAGCTACATCTGCAGATTTCTGCATGAAATCCAGCTGAACTGTGCCGTCAAC
 AAGATGAGCGTGGACAACCTGGCCACTGTGATCGGGGTGAACCTCATCAGGTGCAAGGTTGAAGACCCAG
 CTGTGATTATGAGAGGGACTCCTCAGATCCAAAGAGTGATGACCATGATGATCAGAGACCACGAAGTCTT
 CTTCCCAAGTCTAAGGATGCACCGATCTACCCCTGCCAGAAAAACGATGCCAAGAAGGCTCCAGTG
 CCGCGAAGTCTGTGGGTGGGATGCCACGGAAGACCCACCCCTTCTAGGACAGACAGCTTCAGTAACA
 CAGCAAGTAGTCTGATGCCACCAGTCCCCTGGACCCTGCCAGTACCAGCATCAGGAAGACAGCGG
 AAAAGCCCCCAGGGAAAACCCAGGAGACTGGAAGATGCAATCCCGTAAAAGGACTCAAACGTTCCCAAC
 CGGAAGTGTTCCTGACGTCCGATTCCAAGGCCACCAGCAGTAAACTGGAAATCTTTAAAAATGAGT
 TCTGGTCTCCATCTCAGAGGCTAAGGCAGGAGAAGGGCACAGGCGAACTATGTCCCAAGACTTGCGCCA
 CCTTTCCAATGACCAGCGGACTTCTACCTACGATAATGTCCACCTCACCACAGTCCCAAGGGAACCCA
 GCAGGTGCACTCTCTCCCTGCCAGTGACTCCAAGAGAGATGCTCTTGTAGCACAGACTCTGAAATGG
 AGGCTGGAAGCAAGAAGTCTGGCGAGGATGACCTTGATTCTCTGCAGAGGACAGTCCAGAGCCTACAGAA
 GGAATAGAAACCCAGAAGCAGGTCTATGAGGAACAGATTAACAACTGGAGAAGGAAAATTACGATGTC
 TGGGCTAAGGTGGTGGGCTCAATGAAGAACTCGAGAGGGAGAGGAAGAAATTCGCGGCCCTGGAATCA
 GCCTTCGAAATGTGGAGCGCTCCCGGGAGGACGTTGAGAAGAGGAACAGAGTCTTGAAGAAGAAGTCAA
 GGAGTTGTGAAGTCGATGGAGAAGCCAAAGACAAAGACGGATCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_175476
- Insert Size:** 1869 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_175476.4](#), [NP_780685.2](#)

RefSeq Size: 3366 bp

RefSeq ORF: 1869 bp

Locus ID: 232201

UniProt ID: [Q8BYW1](#)

Cytogenetics: 6 D1

Gene Summary: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) contains an alternate 5' terminal exon and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform b, which has a shorter N-terminus, compared to isoform a.