

Product datasheet for **MC228304**

Arhgap25 (NM_001286610) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap25 (NM_001286610) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap25
Synonyms:	A130039I20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228304 representing NM_001286610
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATCTGCCAGGCAGTACAGTCAAAGAAATTGCCCAAACCCGAAGAAGCTGGGAAATTTGTCTTTG
 AAGTTATTCCAGCCTCAAGTGACCAGAACCGCATTGGACAAGACTCCTAGTCCTCATGGCCAGCTCCCA
 GGTAGAGATGGAGGAGTGGGTTAAGTTCCTCAGGAGAGTTGCTGGCACGCCCTCTGGAGCGGTGTTTGGC
 CAGCGTCTGGATGAGACTGTGGCCTATGAGCAGAAGTTTGGCCCTCACCTGGTGCCCATCTTGGTGGAGA
 AGTGGCGTGAGTTCATCCTGGAACATGGTGTGAGTGAAGAGGGCATCTTCCGCCTGCCGGGCAGGACAA
 CCTTGTGAAGCAGCTGAGAGATGCTTTCGATGCGGGGAGCGGCCCTCTTTGACAGGGACACAGATGTG
 CACACGGTGGCATCTCTACTAAGCTCTACCTCCGAGACCTGCCAGAGCCTGTGGTTCCTGGAGTCAGT
 ATGAAGGGTTCCTGCTCTGTGGGACGCTCATGAACGCAGATGAGGCAAAGGCTCAGCAGGAGTTGGTGAA
 GCAGCTTTCTACCCTTCCCGAGACAACATAACCTCCTGAGCTACATCTGCAGATTTCTGCATGAATC
 CAGCTGAACTGTGCCGTCACAAAGATGAGCGTGGACAACCTGGCCACTGTGATCGGGGTGAACCTCATCA
 GGTCTGAAGGTTGAAGACCCAGCTGTGATTATGAGAGGGACTCCTCAGATCCAAAGAGTGATGACCATGAT
 GATCAGAGACCACGAAGTCTCTTCCCCAAGTCTAAGGATGCACCGATCTCACCCCTGCCAGAAAAAC
 GATGCCAAGAAGGCTCCAGTGCCGCGAAGCTCTGTGGGTGGGATGCCACGGAAGACCCACCCCTTTCTA
 GGACAGACAGCTTCAGTAACACAGCAAGTAGTCTGATGCCACCAGTCCCACTGGACCACTGCCAGTGA
 CCAGCATCAGGAAGACAGCGGAAAAGCCCCAGGGAAAACCCAGGAGACTGGAAGATGCAATCCCGTAAA
 AGGACTCAAACGCTTCCAACCGAAGTGTTCCTGACGTCCGCATTCCAAGGCACCACCAGCAGTAAAC
 TGGAAATCTTTAAAAATGAGTTCTGGTCTCCATCTTCAGAGGCTAAGGCAGGAGAAGGGCACAGGGCAAC
 TATGTCCCAAGACTTGCGCCACCTTTCCAATGACCAGCGGACTTCTACCTACGATAATGTCCCCACCTCA
 CCACAGTCCCAAGGAACCCAGCAGGTGCACTCTCTCCCTGCCAGTACTCCAAGAGAGATGCTCTTG
 TTAGCACAGACTCTGAAATGGAGGCTGGAAGCAAGAACTCTGGCGAGGATGACCTTGATTCTCTGCAGAG
 GACAGTCCAGAGCCTACAGAAGGAAATAGAAACCCAGAAGCAGGTCTATGAGGAACAGATTA AAAACCTG
 GAGAAGGAAAATTACGATGTCTGGGCTAAGGTGGTGGGCTCAATGAAGAACTCGAGAGGGAGAGGAAGA
 AATTCCGGCCCTGGAATCAGCCTTCGAAATGTGGAGCGCTCCCGGAGGACGTTGAGAAGAGGAACAG
 AGTCTTGAAGAAGAAGTCAAGGAGTTTGTGAAGTCGATGGAGAAGCCCAAGACAAGACGGATCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001286610
- Insert Size:** 1680 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	<u>NM_001286610.1, NP_001273539.1</u>
RefSeq Size:	3495 bp
RefSeq ORF:	1680 bp
Locus ID:	232201
UniProt ID:	<u>Q8BYW1</u>
Cytogenetics:	6 D1
Gene Summary:	<p>GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate exon in the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform c, which is shorter at the N-terminus, compared to isoform a.</p>