

Product datasheet for **MR218966**

Arhgap25 (NM_175476) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR218966 representing NM_175476
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGGGGAGCAGATGGCGGCTTTACCCACCCACCACTCCCAACCCCTGAAAGGCCAATTAAGG
 TGGGCTGGCTGAAGAAGCAGAGGTCATCGTAAAAACTGGCAGCAGCGTACTTTGTGTTGAGAGCTCA
 GCAACTCTACTACTACAAGGACGAAGAGGACTCAAAGCCACAGGGCTGCATGTATCTGCCAGGCAGTACA
 GTCAAAGAAATTGCCACAAACCCGAAGAAGCTGGGAAATTTGTCTTTGAAGTTATTCCAGCCTCAAGTG
 ACCAGAACCGCATTGGACAAGACTCCTACGTCCTCATGGCCAGCTCCCAGGTAGAGATGGAGGAGTGGGT
 TAAGTTCCTCAGGAGAGTTGCTGGCACGCCCTCTGGAGCGGTGTTTGGCCAGCGTCTGGATGAGACTGTG
 GCCTATGAGCAGAAGTTGGCCCTCACCTGGTGGCCATCTTGGTGGAGAAGTGCCTGAGTTCATCTGG
 AACATGGTGTGAGTGAAGAGGGCATCTCCGCCTGCCCGGCAGGACAACCTTGTGAAGCAGCTGAGAGA
 TGCTTTGATGCGGGGGAGCGGCCCTCTTTGACAGGGACACAGATGTGCACACGGTGGCATCTCTACTA
 AAGCTCTACCTCCGAGACTGCCAGAGCCTGTGGTTCTTGGAGTCAGTATGAAGGGTTCCTGCTCTGTG
 GGCAGCTCATGAACGCAGATGAGGCAAAGGCTCAGCAGGAGTTGGTGAAGCAGCTTTCTACCCCTCCCCG
 AGCAACTACAACCTCCTGAGCTACATCTGCAGATTTCTGCATGAAATCCAGCTGAACTGTGCCGTC AAC
 AAGATGAGCGTGGACAACCTGGCCACTGTGATCGGGGTGAACCTCATCAGGTCGAAGGTTGAAGACCCAG
 CTGTGATTATGAGAGGGACTCCTCAGATCCAAAGAGTGATGACCATGATGATCAGAGACCACGAAGTCTT
 CTTCCCAAGTCTAAGGATGCACCGATCTACCCCTGCCAGAAAAACGATGCCAAGAAGGCTCCAGTG
 CCGCGAAGTCTGTGGGTGGGATGCCACGGAAGACCCACCCCTTTCTAGGACAGACAGCTTCAGTAACA
 CAGCAAGTAGTCTGATGCCACCAGTCCCACTGGACCCTGCCAGTACCAGCATCAGGAAGACAGCGG
 AAAAGCCCCAGGAAAAACCCAGGAGACTGGAAGATGCAATCCCGTAAAAGGACTCAAACGCTTCCCAAC
 CGGAAGTGTTCCTGACGTCCGATTCCAAGGCCACCAGCAGTAAACTGGAAATCTTTAAAAATGAGT
 TCTGGTCTCCATCTCAGAGGCTAAGGCAGGAGAAGGGCACAGGCGAACTATGTCCCAAGACTTGCGCCA
 CCTTTCAATGACCAGCGGACTTCTACCTACGATAATGTCCACCTCACCACAGTCCCAAGGGAACCCA
 GCAGGTGCACTCTCTCCCTGCCAGTGACTCCAAGAGAGATGCTCTTGTAGCACAGACTCTGAAATGG
 AGGCTGGAAGCAAGAACTCTGGCGAGGATGACCTTGATTCTCTGCAGAGGACAGTCCAGAGCCTACAGAA
 GGAATAGAAACCCAGAAGCAGGCTATGAGGAACAGATTA AAAACCTGGAGAAGGAAAAATTACGATGTC
 TGGGCTAAGGTGGTGAAGCTCAATGAAGAACTCGAGAGGGAGAGGAAGAAATTCGCGGCCCTGGAATCA
 GCCTTCGAAATGTGGAGCGCTCCCGGGAGGACGTTGAGAAGAGGAACAGAGTCTTGAAGAAGAAGTCAA
 GGAGTTGTGAAGTCGATGGAGAAGCCAAAGACAAAGACGGATCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218966 representing NM_175476
 Red=Cloning site Green=Tags(s)

MTGEQMAAFHPPTTPNPLERPIKVGWLKKQRSIVKNWQRYFVLRQQLYYYKDEEDSKPQGCMYLPGST
 VKEIATNPPEEAGKFVFEVIPASSDQNRIGQDSYVLMASQVEMEEWVKFLRRVAGTPSGAVFGQRLDET
 AYEQKFGPHLVPILVEKCAEFILHGVSEEGIFRLPGQDNLVKQLRDAFDAGERPSFDRDTRDHTVASLL
 KLYLRDLPEPVPVWSQYEGFLLCGQLMNADEAKAQQLVKQLSTLPRDNYNLLSYICRFLHEIQLNCAVN
 KMSVDNLATVIGVNLIRSKVEDPAVIMRGTPQIQRVMTMMIRDHEVLFPKSKDAPISPPAQKNDKAPV
 PRSSVGDATEDPPLSRTDSFSNTASSPDATSPTGPLPSDQHEDSGKAPRENPGDWKMQSRKRTQTLPN
 RKCFLTSAFQGTSSKLEIFKNEFWSPSEAKAGEGHRRTMSQDLRHLSDNQRTSTYDNPVTPSPQSQGNP
 AGALSPPASDSKRDALVSTDSEMEAGSKNSGEDDLDSLQRTVQSLQKEIETQKQVYEEQIKNLEKENYDV
 WAKVVRLNEELERERKKFAALEISLRNVERSREDVEKRNRVLEEVKEFVKSMKPKTKTDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175476

ORF Size: 1866 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: 2499 bp

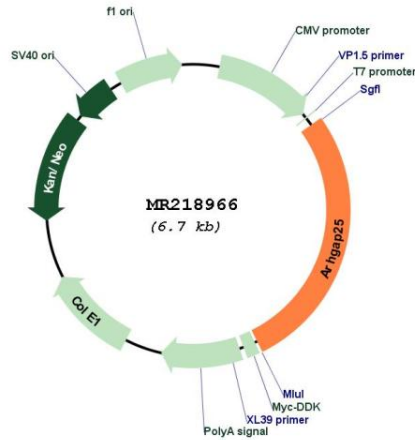
RefSeq ORF: 1869 bp

Locus ID: 232201

UniProt ID: [Q8BYW1](#)

Cytogenetics: 6 D1
MW: 70.8 kDa
Gene Summary: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218966