

Product datasheet for **MG218966**

Arhgap25 (NM_175476) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap25 (NM_175476) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arhgap25
Synonyms:	A130039I20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG218966 representing NM_175476
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGGGAGCAGATGGCGCCTTTCACCCACCCACCACTCCCAACCCCTGGAAAGGCCAATTAAGG
 TGGGCTGGCTGAAGAAGCAGAGGTCATCGTGA AAAA ACTGGCAGCAGCGTACTTTGTGTGAGAGCTCA
 GCAACTCTACTACTACAAGGACGAAGAGGACTCAAAGCCACAGGGCTGCATGTATCTGCCAGGCAGTACA
 GTCAAAGAAATTGCCACAAACCCGAAGAAGCTGGGAAATTTGTCTTTGAAGTTATTCCAGCCTCAAGTG
 ACCAGAACCGCATTGGACAAGACTCCTACGTCCTCATGGCCAGCTCCCAGGTAGAGATGGAGGAGTGGGT
 TAAGTTCCTCAGGAGAGTTGCTGGCACGCCCTCTGGAGCGGTGTTTGGCCAGCGTCTGGATGAGACTGTG
 GCCTATGAGCAGAAGTTGGCCCTCACCTGGTGCCATCTTGGTGGAGAAGTGCCTGAGTTCATCTGG
 AACATGGTGTGAGTGAAGAGGGCATCTCCGCCTGCCCGGCAGGACAACCTTGTGAAGCAGCTGAGAGA
 TGCTTTGATGCGGGGGAGCGGCCCTCTTTGACAGGGACACAGATGTGCACACGGTGGCATCTCTACTA
 AAGCTCTACCTCCGAGACTGCCAGAGCCTGTGGTTCCTTGGAGTCAGTATGAAGGGTTCCTGCTCTGTG
 GGCAGCTCATGAACGCAGATGAGGCAAAGGCTCAGCAGGAGTTGGTGAAGCAGCTTCTACCCCTCCCCG
 AGACAAC TACAACCTCCTGAGCTACATCTGCAGATTTCTGCATGAAATCCAGCTGAACTGTGCCGTCAAC
 AAGATGAGCGTGGACAACCTGGCCACTGTGATCGGGGTGAACCTCATCAGGTGCAAGGTTGAAGACCCAG
 CTGTGATTATGAGAGGGACTCCTCAGATCCAAAGAGTGATGACCATGATGATCAGAGACCACGAAGTCTCT
 CTTCCCAAGTCTAAGGATGCACCGATCTACCCCTGCCAGAAAAACGATGCCAAGAAGGCTCCAGTG
 CCGCGAAGCTCTGTGGGTGGGATGCCACGGAAGACCCACCCCTTCTAGGACAGACAGTTCAGTAACA
 CAGCAAGTAGTCCTGATGCCACCAGTCCCACTGGACCCTGCCAGTACCAGCATCAGGAAGCAGCGG
 AAAAGCCCCAGGAAAAACCCAGGAGACTGGAAGATGCAATCCCGTAAAAGGACTCAAACGTTCCCAAC
 CGGAAGTGTTCCTGACGTCCGATTCCAAGGCCACCAGCAGTAAACTGGAAATCTTTAAAAATGAGT
 TCTGGTCTCCATCTTCAGAGGCTAAGGCAGGAGAAGGGCACAGGCGAACTATGTCCCAAGACTTGCGCCA
 CCTTTCCAATGACCAGCGGACTTCTACCTACGATAATGTCCACCTCACCACAGTCCCAAGGGAACCCA
 GCAGGTGCACTCTCTCCCTGCCAGTGACTCCAAGAGAGATGCTCTTGTAGCACAGACTCTGAAATGG
 AGGCTGGAAGCAAGAACTCTGGCGAGGATGACCTTGATTCTCTGCAGAGGACAGTCCAGAGCCTACAGAA
 GGAATAGAAACCCAGAAGCAGGCTATGAGGAACAGATTA AAAACCTGGAGAAGGAAAAATTACGATGTC
 TGGGCTAAGGTGGT GAGGCTCAATGAAGAACTCGAGAGGGAGAGGAAGAAATTCGCGGCCCTGGAATCA
 GCCTTCGAAATGTGGAGCGCTCCCGGGAGGACGTTGAGAAGAGGAACAGAGTCTTGAAGAAGAAGTCAA
 GGAGTTTGTGAAGTCGATGGAGAAGCCAAAGACAAAGACGGATCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218966 representing NM_175476
 Red=Cloning site Green=Tags(s)

MTGEQMAAFHPPTTPNPLERPIKVGWLKKQRSIVKNWQQRYFVLRAQQLYYYKDEEDSKPQGCMYLPGST
 VKEIATNPEEAGKFVFEVIPASSDQNRIGQDSYVLMASQVEMEEWVKFLRRVAGTPSGAVFGQRLDET
 AYEQKFGPHLVPILVEKCAEFILHGVSEEGIFRLPGQDNLVKQLRDAFDAGERPSFDRDTRDVTASLL
 KLYLRDLPEPVPVWSQYEGFLLCGQLMNADEAKAQQLVKQLSTLPRDNYNLLSYICRFLHEIQLNCAVN
 KMSVDNLATVIGVNLIRSKVEDPAVIMRGTPQIQRVMTMMIRDHEVLFPKSKDAPISPPAQKNDAKKAPV
 PRSSVGDATEDPPLSRTDSFSNTASSPDATSPTGPLPSDQHEDSGKAPRENPGDWKMQSRKRTQTLPN
 RKCFLTSAFQGTSSKLEIFKNEFWSPSSEAKAGEGHRRTMSQDLRHLNSDQRTSTYDNVPTSPQSQGNP
 AGALSPPASDSKRDALVSTDSEMEAGSKNSGEDDLDSLQRTVQSLQKEIETQKQVYEEQIKNLEKENYDV
 WAKVVRLNEELERERKKFAALEISLRNVERSREDVEKRNRVLEEEVKEFVKSMKPKTKTDP

TRTRPLE – GFP Tag – V

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

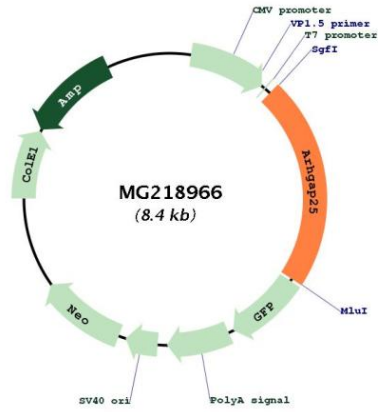
Locus ID: 232201

UniProt ID: [Q8BYW1](#)

Cytogenetics: 6 D1

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 MG218966