

Product datasheet for **RG238968**

AGAP8 (AGAP4) (NM_001291379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGAP8 (AGAP4) (NM_001291379) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AGAP8
Synonyms:	AGAP-4; AGAP-8; AGAP8; CTGLF1; CTGLF5; MRIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238968 representing NM_001291379.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTTTGGAGTTTAACCTTCTGCCAATCCAGAGGCAAGCACAAATTTCCAGAGGAAGTCTCAAACAG
ATGGTATCTACTGTGCGTTTCAGTCAACAATACAGCTTGTGTTGACAATATTCCTTGATGACAGCACA
GCCATCCAGCATTATCTTACAATGACAATAATATCTGTGACCTTGAGATACCTCATCATATCACACAA
AGAGATGCAGATAGATCTTTGAGCATACCTGATGAACAGTTACACTCATTTCGCGTTTCCACCGTGAC
ATTATGAAGAAAAGAAATGGAGGTGGGAGTTAAATAACTATTCCTCCTCCATTCCATCGACTCCCAGC
ACCAGCCAGGAGACCCTCAGTTCAGTGTCTCCACTGCCAACACACCCACCCCGTTTGAAGCGG
TCCATGCGCTGGTCCAACCTGTTACATCTGAGAAAGGGAGTGACCCAGACAAAGAGAGGAAAGCCCG
GAGAATCATGCTGACACCATCGGAGCGGCAGAGCCATCCCCATTAACAGGGCATGCTCTTAAAGCGA
AGTGGAAATGGCTGAAGACATGAAAAAGAAATACGTACCCTGTGTTCCAATGGCGTGCTCACCTAT
TATTCAAGCTTAGGTGATTATATGAAGAATATTCATAAAAAAGAGATTGACCTTCAGACATCTACCATC
AAAGTCCCAGAAAGTGGCCATCCCTAGCCACATCGGCCTGCACACCCATCTCCACCTCTAAAAGCAAT
GGCCTATCCAAGGACATGGACACCGGGTGGTGACTCCATATGCTTCAGCCCCAGTATCTCCAGCACC
ACCAGCCCAAGCTCAACCCGCCCCCTCTCCTCATGCCAATAAAAAAGAAACACCTAAAGAAGAAAAGC
ACCAACAACCTTTATGATTGTGTCTGCCACTGGCCAAACGTGGCACTTTGAAGCCACGACGTATGAGGAG
CGGGATGCCTGGGTCCAAGCCATCCAGAGCCAGATCCTGGCCAGCCTGCAGTCATGCGAGAGCAGTAAA
AGCAAGTCCCAGCTGACCAGCCAGAGCAAGGCCATGGCCCTGCAGTCGATCCAAAACATGCGTGGGAAC
GCCACTGTGTGGACTGTGAGACCCAGAATCCTAAGTGGGCCAGTTTGAAGTGGGAGTCCCTCATGTGT
ATTGAATGCTCAGGAATCCACCCGAGTCTTGGCACCCGCTTTCCCGTGTGCGATCTCTGGAGCTGGAT
GACTGGCCAGTTGAGCTCAGGAAGGTTATGTCATCTATTGGCAATGACCTAGCCAACAGCATCTGGGAA
GGGAGCAGCCAGGGCAGACAAAACCTCAGAAAAGTCCACGAGGGAAGAGAAGGAACGGTGGATCCGT
TCCAAATATGAGGAGAAGCTCTTTCTGGCCCCACTACCCTGCACTGAGCTGTCCCTGGGCCAGCAGCTG
CTGCGGGCCACCCTGATGAGGACCTGCAGACAGCCATCCTGCTGCTGGCACATGGCTCCCGTGAGGAG
GTGAACGAGACCTGTGGGGAGGGAGACGGCTGCACGGCGCTCCATCTGGCCTGCCGAAGGGGAATGTG
GTCCTGGCGCAGCTCCTGATCTGGTACGGGTGGACGTATGGCCCGAGATGCCACGGGAACACAGCG
CTGACCTACGCCCGCAGGCTCCAGCCAGGAGTGCATCAACGTGCTTCTGCAGTACGGCTGCCCCGAC
AAGTGTGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238968
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MLWSLTLPIQRQAQYSRGLTKQMVSTVRFSSQYSLCSTIFLDDSTAIQHLYLMTIISVTLIEIPHHITQ
RDADRSLIPDEQLHSFVSTVHIMKKRNGGSLNNYSSSIPSTPSTSQEDPQFSVPPTANTPTPVCKR
SMRWSNLFTSEKSDPKERKAPENHADTIGSGRAIPIKQGMMLKRSGKWLKTWKKKYVTLCSNGVLT
YSSLGDYMKNIHKKEIDLQSTIKVPGKWPSLATSACTPISTSKSNGLSKMDTGLGDSICFSPSISST
TSPKLNPPSPHANKKKHLKKSTNNFMIVSATGQTWFEATTYEERDAWVQAIQSQILASLQSCSSK
SKSQLTSQSKAMALQSIQNMGRNAHCVCETQNPKWASLNLGVLMCIECSGIHRSGLTRLSRVRSLELD
DWPVELRKVMSSIGNDLANSIWEGSSQGQTKPSEKSTREEKERWIRSKYEEKLFLAPLPCTELSLGQQL
LRATADEDLQTAILLLAHGSREEVNETCGEGDGCTALHLACRKGNVVLAQLLIWYGVDMARDAHGNTA
LYARQASSQECINVLLQYGPCDKCV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001291379

ORF Size: 1734 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).

RefSeq: [NM_001291379.1](#), [NP_001278308.1](#)

RefSeq Size: 2712 bp

RefSeq ORF: 1737 bp

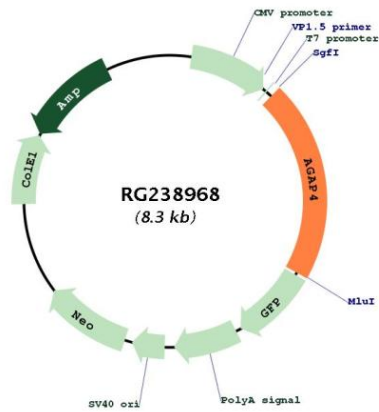
Locus ID: 119016

Cytogenetics: 10q11.22

MW: 64.4 kDa

Gene Summary: Putative GTPase-activating protein.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG238968