

## Product datasheet for **RG239304**

### **AGAP8 (AGAP4) (NM\_001276343) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	AGAP8 (AGAP4) (NM_001276343) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG239304 representing NM\_001276343.  
 Blue=ORF Red=Cloning site Green=Tag(s)

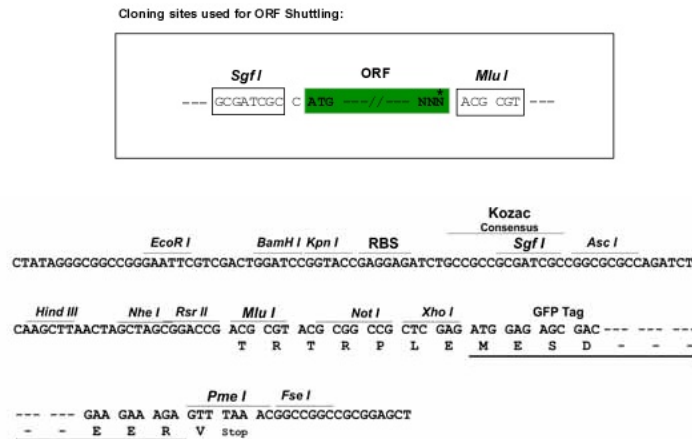
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGGGAACATACTGACCTGTCGTGTGCACCCTAGCGTCAGCCTCGAGTTTGACCAGCAGCAGGGGTCCG
GTGTGTCCTCTGAATCTGAGATCTATGAGGCAGGAGCTGGGACAGGATGGCAGGAGCGCCCATGGCT
GCTGCTGTACAGCCTGCTGAGGTGACTGTTGAAGTTGGTGAAGACCTCCACATGCACCACGTTTCGTGAC
CGGAGATGCCTGAAGCTTTGGAGTTTAACTTTCTGCCAATCCAGAGGCAAGCACAATATTCCAGAGG
AACTCTCAAACAGATGCTTTGGAGTTTAACTTTCTGCCAATCCAGAGGCAAGCACAATATTCCAGAGG
AACTCTCAAACAGATGTTGTAGAAATAAGAAGAAGCAACTGTACAAACCATGTATCTACTGTGCGTTTC
AGTCAACAATACAGCTTGTGTTGACAATATTCCTTGATGACAGCACAGCCATCCAGCATTATCTTACA
ATGACAATAATATCTGTGACCTGGAGATACCTCATCATATCACACAAAGAGATGCAGATAGATCTTTG
AGCATACCTGATGAACAGTTACACTCATTTGCGGTTTCCACCGTGCACATTATGAAGAAAAGAAATGGA
GGTGGGAGTTTAAATAACTATTCTCCTCCATTCCATCGACTCCCAGCACCAGCCAGGAGGACCCTCAG
TTCAGTGTTCCTCCACTGCCAACACACCCACCCCGTTTGAAGCGGTCCATGCCCTGGTCCAACCTG
TTTACATCTGAGAAAGGGAGTGACCCAGACAAAGAGAGAAAGCCCGGAGAATCATGCTGACACCATC
GGGAGCGGCAGAGCCATCCCATTAACAGGGCATGCTCTTAAAGCGAAGTGGGAAATGGCTGAAGACA
TGGAAAAAGAAATACGTCACCCTGTGTTCCAATGGCGTGCTCACCTATTATTCAAGCTTAGGTGATTAT
ATGAAGAATATTCATAAAAAAGAGATTGACCTTCAGACATCTACCATCAAAGTCCCAGGAAAGTGGCCA
TCCCTAGCCACATCGGCTGCACACCCATCTCCACCTCTAAAAGCAATGGCCTATCCAAGGACATGGAC
ACCGGGCTGGGTGACTCCATATGCTTCAGCCCCAGTATCTCCAGCACCACCAGCCCCAAGCTCAACCCG
CCCCCTCTCCTCATGCCAATAAAAAGAAACACCTAAAGAAGAAAAGCACCAACAACCTTTATGATTGTG
TCTGCCACTGGCCAAACGTGGCACTTTGAAGCCACGACGTATGAGGAGCGGGATGCCTGGTCCAAGCC
ATCCAGAGCCAGATCCTGGCCAGCTGCAGTCATGCGAGAGCAGTAAAAGCAAGTCCCAGCTGACCAGC
CAGAGCAAGGCCATGGCCCTGCAGTCGATCCAAAACATGCGTGGGAAACGCCCACTGTGTGGACTGTGAG
ACCCAGAATCCTAAGTGGCCAGTTTGAAGTGGGAGTCTCATGTGATTGAATGCTCAGGAATCCAC
CGCAGTCTTGGCACCCGCCTTTCCCGTGTGCGATCTCTGGAGCTGGATGACTGGCCAGTTGAGCTCAGG
AAGTTATGTCATCTATTGGCAATGACCTAGCCAACAGCATCTGGGAAGGGAGCAGCCAGGGGCAGACA
AAACCCTCAGAAAAGTCCACGAGGGAAGAGAAGGAACGGTGGATCCGTTCCAATATGAGGAGAAGCTC
TTTCTGGCCCCACTACCCTGCCTGACTGAGCTGTCCCTGGGCCAGCAGCTGCTGCGGGCCACCGCTGATGAG
GACCTGCAGACAGCCATCCTGCTGCTGGACATGGCTCCCGTGAGGAGGTGAACGAGACCTGTGGGGAG
GGAGACGGCTGCACGGCGCTCCATCTGGCTGCCGAAGGGGAATGTGGTCTGGCGCAGCTCCTGATC
TGGTACGGGGTGGACGTATGGCCCAGATGCCACGGGAACACAGCGCTGACCTACGCCGGCAGGGCC
TCCAGCCAGGAGTGCATCAACGTGCTTCTGCAGTACGGCTGCCCGACAAGTGTGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239304  
 Blue=ORF Red=Cloning site Green=Tag(s)

MGNILTCRVHPSVSLFDDQQGVSVCPESEIYEAGAGDRMAGAPMAAAVQPAEVTVEVGEDLHMHHVRD  
 REMPEALEFNL SANPEASTIFQRNSQTDALFNP SANPEASTIFQRNSQTDVVEIRRSNCTNHVSTVRF  
 SQQYSLCSTIFLDDSTAIQHLYL TMTIISVTLIPHHITQRDADRSL SIPDEQLHSFAVSTVHIMKKRNG  
 GGSLNNYSSSIPSTPSTSQEDPQF SVPPANTPTPVCKRSMRWSNLF TSEKGSDDPKERKAPENHADTI  
 GSGRAIPIKQGMLLKRSQKWLKTWKKKYVTLCSNGVLTYYSSLGDMKNIHKKEIDLQTSTIKVPGKWP  
 SLATSACTPISTSKSNGLSKDMDTGLGDSICFSPISSTTSPKLNPPSPHANKKKHLKKKSTNNFMIV  
 SATGQTWHF EATTYEERDAWQAIQSQILASLQSCSSKSKS QLT SQSKAMALQSIQNMGRNAHCVDC  
 TQNPKWASLNLGVL MCI ECSIHRSLGTRL SRVRSLELDDWPVELRKMSSIGNDLANSI WEGSSQGT  
 KPSEKSTREEKERWIRSKYEKFLAPLPCTELSLGQQLLRATADEDLQTAI LLLAHGSREEVNETCGE  
 GDGCTALHLACRKGNNVLAQLL I WYGVDMARDAHGNTALTYARQASSQECINVL LQYGPCDKCV  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYP SGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYYSSVVD SHMHFKSAIHP SILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001276343

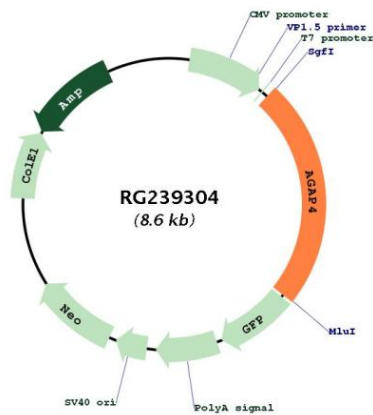
**ORF Size:** 2058 bp

**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.

<b>Components:</b>	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).
<b>RefSeq:</b>	<u>NM_001276343.2, NP_001263272.2</u>
<b>RefSeq Size:</b>	2520 bp
<b>RefSeq ORF:</b>	2061 bp
<b>Locus ID:</b>	119016
<b>UniProt ID:</b>	<u>Q96P64</u>
<b>Cytogenetics:</b>	10q11.22
<b>MW:</b>	76.1 kDa
<b>Gene Summary:</b>	Putative GTPase-activating protein.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG239304