

## Product datasheet for **RC238968**

### **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:	Myc-DDK
Symbol:	AGAP4
Synonyms:	AGAP-4; AGAP-8; AGAP8; CTGLF1; CTGLF5; MRIP2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238968 representing NM\_001291379  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTTTGGAGTTTAACCCTTCTGCCAATCCAGAGGCAAGCACAATATCCAGAGGAAGTCTCAAACAGA  
 TGGTACTACTGTGCGTTTCAGTCAACAATACAGCTTGTGTTTCGACAATATTCCTTGATGACAGCACAGC  
 CATCCAGCATTATCTTACAATGACAATAATATCTGTGACCTGGAGATACCTCATCATATCACACAAAGA  
 GATGCAGATAGATCTTTGAGCATACCTGATGAACAGTTACTCTTTGCGGTTTCCACCGTGCACATTA  
 TGAAGAAAAGAAATGGAGGTGGGAGTTTAAATAACTATTCCTCTCCATTCCATCGACTCCAGCACCAG  
 CCAGGAGGACCTCAGTTCAGTGTCTCCACTGCCAACACACCACCCCGTTTGAAGCGGTCCATG  
 CGTGGTCCAACCTGTTTACATCTGAGAAAGGGAGTGACCCAGACAAAGAGAGGAAAGCCCGGAGAATC  
 ATGCTGACACCATCGGGAGCGGCAGAGCCATCCCATTAAACAGGGCATGCTCTTAAAGCGAAGTGGGAA  
 ATGGCTGAAGACATGGAAAAGAAATACGTCACCTGTGTCCAATGGCGTGCTCACCTATTATTCAAGC  
 TTAGGTGATTATATGAAGAATATTCATAAAAAAGAGATTGACCTTCAGACATCTACCATCAAAGTCCAG  
 GAAAGTGGCCATCCCTAGCCACATCGGCCTGCACACCCATCTCCACCTCTAAAAGCAATGGCCTATCCAA  
 GGACATGGACACCGGGCTGGGTGACTCCATATGCTTCAGCCCCAGTATCTCCAGCACCACCAGCCCCAAG  
 CTCAACCCGCCCCCTCTCCTATGCCAATAAAAAAGAACACCTAAAGAAGAAAAGCACCACAACTTTA  
 TGATTGTGTCTGCCACTGGCCAAACGTGGCACTTTGAAGCCACGACGTATGAGGAGCGGGATGCCTGGGT  
 CCAAGCCATCCAGAGCCAGATCCTGGCCAGCCTGCAGTCATGCGAGAGCAGTAAAAGCAAGTCCCAGCTG  
 ACCAGCCAGACAAAGCCATGGCCCTGCAGTCGATCCAAAACATGCGTGGGAACGCCACTGTGTGGACT  
 GTGAGACCCAGAATCCTAAGTGGGCCAGTTTGAACCTGGGAGTCCCTCATGTGTATTGAATGCTCAGGAAT  
 CCACCGCAGTCTTGGCACCCGCTTCCCGTGTGCGATCTCTGGAGCTGGATGACTGGCCAGTTGAGCTC  
 AGGAAGTTATGTCTATTGGCAATGACCTAGCCAACAGCATCTGGGAAGGGAGCAGCCAGGGGAGCAGA  
 CAAAACCTCAGAAAAGTCCACGAGGGAAGAGAAGGAACGGTGGATCCGTTCCAAATATGAGGAGAAGCT  
 CTTTCTGGCCCCACTACCCTGCACTGAGCTGTCCCTGGGCCAGCAGCTGCTGCGGGCCACCCTGATGAG  
 GACCTGCAGACAGCCATCCTGCTGCTGGCACATGGCTCCCGTGGAGAGTGAACGAGACCTGTGGGGAGG  
 GAGACGGTGCACGGCGTCCATCTGGCCTGCCGCAAGGGGAATGTGGTCTGGCGCAGCTCCTGATCTG  
 GTACGGGGTGGACGTATGGCCGAGATGCCACGGGAACACAGCGCTGACCTACGCCCGCAGGCTCC  
 AGCCAGGAGTGCATCAACGTGTTCTGCAGTACGGCTGCCCGACAAGTGTGTG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238968 representing NM\_001291379  
 Red=Cloning site Green=Tags(s)

MLWSLTLPIQRQAQYSRGLTKQMVSTVRFSSQYSLCSTIFLDDSTAIQHLYLTMTIISVTLEIPHHITQR  
 DADRSLSIPDEQLHSFAVSTVHIMKKRNGGSLNYYSSIPSTPSTSQEDPQFSVPPTANTPTPVCKRSM  
 RWSNLF TSEKSDPKERKAPENHADTIGSGRAIPIKQGMMLKRSKWLKTWKKKYVTLCSNGVLTYYSS  
 LGDYMKNIHKKEIDLQTSTIKVPGKWP SLATSACTPISTSKSNGLSKDMDTGLGDSICFSPSISSTSPK  
 LNPPPSPHANKKKHLKKKSTNFMIVSATGQTWHF EATTYEERDAWVQAIQSQILASLQSCCESSKSKSQL  
 TSQSKAMALQSIQNMGRNAHCVCETQNPKWASLNLGVLMCIECSGIHRS LGTRL SRVRSLELDDWPVEL  
 RKVMSSIGNDLANSIWEGSSQGQTKPSEKSTREEKERWIRSKYEEKLFLAPLPCTELSLGQQLLRATADE  
 DLQTAILLLAHGSREEVNETCGEGDGCTALHLACRKGNVVLAQLLIWYGVDMARDAHGNTALTYARQAS  
 SQECINVL LQYGPDKCV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

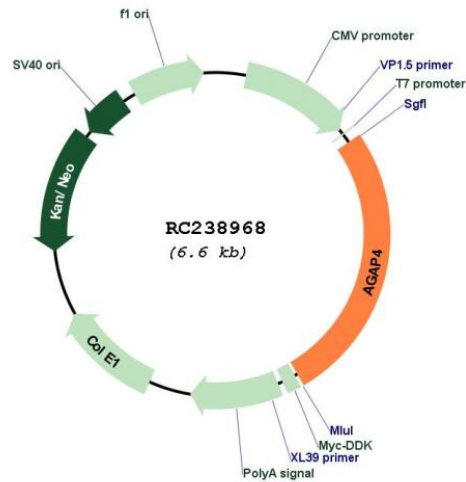
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


ACCN: NM\_001291379

ORF Size: 1734 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001291379.1</a> , <a href="#">NP_001278308.1</a>
<b>RefSeq Size:</b>	2712 bp
<b>RefSeq ORF:</b>	1737 bp
<b>Locus ID:</b>	119016
<b>Cytogenetics:</b>	10q11.22
<b>MW:</b>	64.4 kDa
<b>Gene Summary:</b>	Putative GTPase-activating protein.[UniProtKB/Swiss-Prot Function]