

Product datasheet for **RC234002**

AGAP1 (NM_001244888) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AGAP1 (NM_001244888) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AGAP1
Synonyms: AGAP-1; CENTG2; cnt-g2; GGAP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC234002 representing NM_001244888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGA^{ACT}ACCAGCAGCAGCTGGCCA^{ACT}CGGCTGCCATCCGGGCCGAGATCCAGCGCTTCGAGTCGGTCC
 ACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCTGGAGGAGCCGGTCTGCAGAACCAGATCCG
 GGAGCAGTCATCGCCATCGAAGATGCCTTCGTAACAGCCAGGAATGGACGCTGAGTCGATCTGTCCCG
 GAGCTCAAAGTGGGAATTGTGGTA^{ACT}TGGCCAGCGGCAAGTCTGCCCTGGTGCACCGGTACCTGACGG
 GCACATATGTCCAGGAGGAGTCTCCGGAAGGTGGCAGGTTCAAGAAAGAGATTGTCGTTGATGGACAGAG
 CTATCTGCTGCTGATCAGAGATGAAGGGGGCCCCCGGAGGCGCAGTTTGCCATGTGGGTGGACGCTGTT
 ATATTTGTCTTCAGCTTGAGGATGAAATAAGTTTCCAGACCGTTTACCACTACTACAGTCGAATGGCCA
 ACTATCGGAACACGAGCGAGATTCCTCTGGTCTGGTGGGAACCCAGGATGCCATAAGTTCTGCTAACCC
 GAGGGTCATCGATGACGCCAGGGCGAGGAAGCTCTCCAACGACCTGAAACGGTGCACGTAACGAGACG
 TGTGCTACATACGGGCTGAATGTGGAGAGGGTCTCCAGGACGTTGCCAGAAGATTGTTGCCACAAGGA
 AGAAGCAGCAGCTGTCCATAGGACCTGCAAGTCGCTACCTAATTCTCCCAGCCATTCTCCGCTGTGTC
 CGCGCAGGTGTCTGCCGTGCACATCAGCCAGACAAGTAATGGAGTGGGAGTTAAAGCGACTATTCCTCC
 TCCGTTCCATCGACTCCCAGCACCAGCCAGAAGAACTTCGGATCGATGTTCTCCCAGTCCCAACACGC
 CCACGCCGTTCCGAAGCAGTCTAAGCGCCGGTCCAACCTGTTACCTCTCGGAAAGGGAGCGACCCAGA
 CAAAGAGAAGAAAGCCCTGGAGAGTCGTGCGGACAGCATTGGGAGCGGCCGAGCCATCCCAATTAACAG
 GGCTGCCCTTCTTTGCTTGCCTGACTGACAGCCAGCACTATCTCAGGCCTGCTGGAGCCGTGCCCGTC
 AGTCCTCCCCCTGGCCAGGGCCGAGGGTGGTCAGACCAGCCGCATTGTGCTGAAGGCCACAATCAGC
 CCAGCTGTCCGGGCCATGATGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



Protein Sequence: >RC234002 representing NM_001244888
 Red=Cloning site Green=Tags(s)

MNYQQQLANSAAIRAEIQRFEVHPNIYSIYELLERVEEVLQIQIREHVIAIEDAFVNSQEWTLRSVPELKVIGVGNLASGKSALVHRYL TGTYYVQEESEPEGGRFKKEIVVDGQSYLLLRDEGGPPEAQFAMWVDAVIFVFSLEDEISFQTVYHYYSRMANRYRNTSEIPLVLVGTQDAISSANPRVIDDARARKLNDLKRCTYYETCATYGLNVERVFQDVAQKIVATRKKQQLSIGPCKSLPNSPSHSSVCSAQVSAVHISQTSNNGGSLSDYSSVSPSTPSQKELRIDVPPTANTPTPVRRKQSKRRSNLFTSRKGSDDPKKGGLESRADSIGSGRAIPIKQGLPFFVLALTASTYL RPAGARARQSSPWPGRGGQTS PHCAEGPQSAQLSGAMMN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001244888

ORF Size: 1215 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_001244888.2](#)

RefSeq Size: 2180 bp

RefSeq ORF: 1218 bp

Locus ID: 116987

UniProt ID: [Q9UPQ3](#)

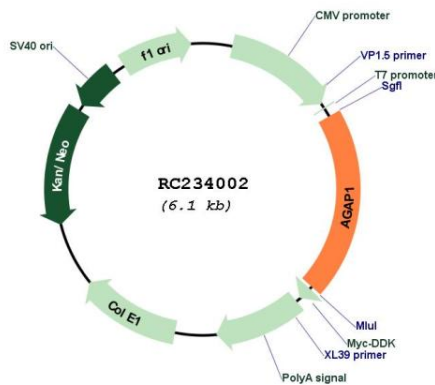
Cytogenetics: 2q37.2

Protein Pathways: Endocytosis

MW: 45 kDa

Gene Summary: This gene encodes a member of an ADP-ribosylation factor GTPase-activating protein family involved in membrane trafficking and cytoskeleton dynamics. This gene functions as a direct regulator of the adaptor-related protein complex 3 on endosomes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC234002