

Product datasheet for **SC127122**

AGAP1 (NM_014914) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AGAP1 (NM_014914) Human Untagged Clone
Tag: Tag Free
Symbol: AGAP1
Synonyms: AGAP-1; CENTG2; cnt-g2; GGAP1
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_014914 edited
 ATGAACTACCAGCAGCAGCTGGCCAACCTCGGCTGCCATCCGGGCCGAGATCCAGCGCTTC
 GAGTCGGTCCACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCGTGGAGGAGCCG
 GTGCTGCAGAACCAGATCCGGGAGCACGTCATCGCCATCGAAGATGCCTTCGTGAACAGC
 CAGGAATGGACGCTGAGTCGATCTGTCCCGAGCTCAAAGTGGGAATTGTGGTAACTTG
 GCCAGCGCAAGTCTGCCTGGTGCACCGGTACCTGACGGGCACATATGTCCAGGAGGAG
 TCTCCGGAAGGTGGCAGGTTCAAGAAAGAGATTGTCGTTGATGGACAGAGCTATCTGCTG
 CTGATCAGAGATGAAGGGGGCCCCCGGAGGCGCAGTTTGCCATGTGGGTGGACGCTGTT
 ATATTTGCTTTCAGCTTGGAGGATGAAATAAGTTTCCAGACCGTTTACCACTACTACAGT
 CGAATGGCCAACATCGGAACACGAGCGAGATTCTCTGGTTCTGGTGGGAACCCAGGAT
 GCCATAAGTTCTGCTAACCCGAGGGTCATCGATGACGCCAGGGCGAGGAAGCTCTCCAAC
 GACCTGAAACGGTGCACGTAACGAGACGTGTGCTACATACGGGCTGAATGTGGAGAGG
 GTCTTCCAGGACGTTGCCAGAAGATTGTTGCCAAGGAAGAAGCAGCAGCTGTCCATA
 GGACCCTGCAAGTCGCTACCTAATTCTCCAGCCATTCTCCGTCTGTTCCGCGCAGGTG
 TCTGCCGTGCACATCAGCCAGACAAGTAATGGAGGTGGGAGTTTAAAGCGACTATTCCTCC
 TCCGTTCCATCGACTCCCAGCACCAGCCAGAAGGAACCTCGGATCGATGTTCTCCCACT
 GCCAACACGCCCACGCCGTTTCGCAAGCAGTCTAAGCGCCGGTCCAACCTGTTACCTCT
 CGGAAAGGGAGCGACCCAGACAAAGAGAAGAAAGCCCTGGAGAGTCGTGCGGACAGCATT
 GGGAGCGGCCGAGCCATCCCAATTAACAGGGCATGCTGTTGAAGCGAAGTGGCAAAATCG
 TTGAATAAAGAGTGGAAAAGAAAATATGTCACCCCTGTGTGACAATGGCGTGTGACCTAT
 CATCCCAGTTTACATGATTACATGCAGAATGTTTCATGGTAAGGAGATTGACCTTCTGAGA
 ACCACTGTGAAAGTCCCAGGGAAGAGGCCACCCCGAGCCACGTCAGCCTGCGCACCCATC
 TCCAGCCCTAAAACCAATGGCCTATCCAAGGACATGAGCAGTTTACACATCTCACCCAAT
 TCAGGGAATGTCAGTGTGATCTGGGTCTCAGATGGCAAGCGGCATCAGCCTGGTCTCC
 TTCAACAGCCGACCCGACGGCATGCACCAGCGCTCCTACTCAGTCTCCAGTGCCGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014914 unedited</p> <pre>GATTTGTAACGACTTACTATAGGCGGCCGCGACATTCGCACCAGCTCCTGGGGCGCGC TCCCCCGGGCGGCCCGCTGACCCGGGACGCCGGGGCCCGCTCGCTCGCCGGCCGCGCGT CCCGGCCATGAACTGAGCCCGCGGGCCAGCCCCGCGCTGCTCCGCCCGCGCCTTTCTTC TCGCGCCTCCTCCGCCCGCCCGGGCGGGCCCGGCTCCCCGGGGGCTGCGGCGCCCGGG GCGCGGCCCGCGGGCCCGGGGCGCGGGGCGCGGGGGGGCGCGGGCTCCGG CGAGATCCAGCGCTTCGAGTCGGTCCACCCCAACATCTACTCCATCTACGAGCTGCTGGA TCGCGTGGAGGAGCCGGTCTGCAGAACCAGATCCGGGAGCACGTCATCGCCATCGAAGA TGCCTTCGTGAACAGCCAGGAATGGACGCTGAGTCGATCTGTCCCGGAGCTCAAAGTGGG AATTGCGGGTAACTAGGCCAGCGCAAGTCTGCCCTGGGGCACCGGTCCCTGACAGGCAC ATATGTCCACGAGGAGTCTCCGGAAGAGGCGAGTCCAAGAAGAGATAGTCGCTGATGGA CAGAGCTATCTGTGCTGATCATAGATGAAAGGGGCCCCCGAAGCGCAGTTTGCCTG TGGGTGGACGCTGGTCTATTCTCCTCAGCCTGGAAGATGAACTAATCCAGAACGGC TACACCTTACAGTCCAATGGCCAACTTCCGAAACCGAACGCAATACCTCCGGCCTTGGG GGGAACCCACAAGCCTCACTTCTGCTAACCGAGGGTCTTCTTGANCCAGGGCAAGGACC TCTCCACCACCGAACGGCCCGCACTCCAACACGGGGTCCACCGCCTCAAGGGCAAAGT TCTTCCGCTCCGCCAAAAAGGTGCCACAGAAAAAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014914 unedited</p> <pre>NGGAAGATACATTATTNTACCGCGCCGCAATCTATGATCGGTTTTTTTTTTTTTTTTTTT GCATATTTATGAACTTCTTTTATTCAAATATATTTTACACATCTTATCTAAATACATAA CACAGAAGCCTGTGTGACTTGGGCAACGTGGTCCAGGAGGCCTGAGACTAACACATCCA CCTCGGCAAAAAGGACATCAAATATCTTACAGTGCAGAAAAAACAGCCTTTTGTGATT TCCTTAGTTTACGAAATATACTCGAAATGCTATTATTAGCTGAATTTGTGGTTTCCTTTT GAGTTTCTGAGTTATTCTTATTTATTTTCCCATTTTGTTTTGCACCAAGGAGACCGGA GTCAAATAAATACTCAGCGACTGATTTTCTCTTTGGACTGAAAAATTAACAGATACTA AATGATGACAGTGAATTTAGAGAGGGCTCCAAGGGCTTGAAGAACATGTCTGGGATAAT ATGGTGCTTCTAAGAGTATTGCAATCACATCGTGGCAATCACCGGCGCGTGCCCGGTGAC TACCTCCTCGGCTAATATGCTTTTCTTCTCGGCGATGACTAATCACGTTCTATTAACAGC AGTAATGCGGGAAGAAGTCCGGCTGTACAAGTGAATGAAGCCAGTATTCTCCCTGGACAG ATTAGCTACAAGTATTGACACACACCATCATAGGGGCTTTAAACCTGACAAACTCTGG GCTTGCTTCTGATTTATGCCCGTCGAGCTCCTCAGAGAAAAGAGGAATCCAAGTGTTC CTTTGGTAGAGGGAAAAGTACTATGTGCCTCACTGCCGTTAAGGAAGTTGCCCTTCTT CTTGTTCCCGC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014914
Insert Size:	5000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_014914.2](#), [NP_055729.1](#)

RefSeq Size: 4078 bp

RefSeq ORF: 2415 bp

Locus ID: 116987

UniProt ID: [Q9UPQ3](#)

Cytogenetics: 2q37.2

Domains: ArfGap, PH, ANK, RAS, RAB

Protein Pathways: Endocytosis

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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.