

Product datasheet for **SC302850**

AGAP1 (NM_001037131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGAP1 (NM_001037131) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGAP1
Synonyms:	AGAP-1; CENTG2; cnt-g2; GGAP1
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001037131, the custom clone sequence may differ by one or more nucleotides

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ATGAACTACCAGCAGCAGCTGGCCAACTCGGCTGCCATCCGGGCCGAGATCCAGCGCTTC
GAGTCGGTCCACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCGTGGAGGAGCCG
GTGCTGCAGAACCAGATCCGGGAGCAGTCATCGCCATCGAAGATGCCTTCGTGAACAGC
CAGGAATGGACGCTGAGTCGATCTGTCCCGGAGCTCAAAGTGGGAATTGTGGGTAACCTG
GCCAGCGCAAGTCTGCCCTGGTGCACCGGTACCTGACGGGCACATATGTCAGGAGGAG
TCTCCGGAAGGTGGCAGGTTCAAGAAAAGAGATTGTCGTTGATGGACAGAGCTATCTGCTG
CTGATCAGAGATGAAGGGGGCCCCCGGAGGCGCAGTTTGCCATGTGGGTGGACGCTGTT
ATATTTGTCTTACGTTGGAGGATGAAATAAGTTTCCAGACCGTTTACCACTACTACAGT
CGAATGGCCAACTATCGGAACACGAGCGAGATTCTCTGGTTCTGGTGGGAACCCAGGAT
GCCATAAGTTCTGCTAACCCGAGGGTCATCGATGACGCCAGGGCGAGGAAGCTCTCCAAC
GACCTGAAACGGTGCACGTACTACGAGACGTGTGCTACATACGGGCTGAATGTGGAGAGG
GTCTTCCAGGACGTTGCCAGAAGATTGTTGCCACAAGGAAGAAGCAGCAGCTGTCCATA
GGACCCTGCAAGTCGCTACCTAATTCTCCAGCCATTCTCCGTCTGTTCCGCGCAGGTG
TCTGCCGTGCACATCAGCCAGACAAGTAATGGAGGTGGGAGTTTAAAGCGACTATTCTCC
TCCGTTCCATCGACTCCCAGCACCCAGCCAGAAGGAACTTCGGATCGATGTTCTCCCACT
GCCAACACGCCCACGCCGTTTCGCAAGCAGTCTAAGCGCCGTTCCAACCTGTTACCTCT
CGGAAAGGGAGCGACCCAGACAAAGAGAAGAAAGGCTGGAGAGTCGTGCCGACAGCATT
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TTGAATAAAGAGTGGAAAAAGAAATATGTCACCCTGTGTGACAATGGCGTGTGACCTAT
CATCCCAGTTTACATGATTACATGCAGAATGTTTCATGGTAAGGAGATTGACCTTCTGAGA
ACCACTGTGAAAGTCCCAGGGAAGAGGCCACCCGAGCCACGTCAGCCTGCGCACCCATC
TCCAGCCCTAAAACCAATGGCCTATCCAAGGACATGAGCAGTTTACACATCTCACCCAAT
TCAGGGAATGTCAGTGCATCTGGGTCTCAGATGGCAAGCGGCATCAGCCTGGTCTCC
TTCAACAGCCGACCCGACGGCATGCACCAGCGCTCCTACTCAGTCTCCAGTGCCGACCAG
TGGAGTGAGGCTACGGTCATTGCAAACTCGGCCATCAGCAGTGACACAGGGCTGGGTGAC
TCCGTATGCTCCAGCCCCAGTATCTCCAGCACCCAGCCCCAAGCTCGACCCGCCCCC
TCCCCTCAGCCAACAGAAAGAAGCACCCGAAGGAAGAAAAGCACTAGCAACTTCAAAGCC
GACGGCTGTCCGGCACTGCTGAAGAACAAGAAGAAAATTTTGTGTTTATCATTGTGTC
CTCACTGGCCAAACATGGCACTTTGAAGCCACGACGTATGAGGAGCGGGACGCCTGGGTC
CAAGCCATCGAGAGCCAGATCCTGGCCAGCCTGCAGTCGTGCGAGAGCAGCAAGAACAAG
TCCCGGCTGACGAGCCAGAGCGAGGCCATGGCCCTGCAGTCGATCCGGAACATGCCGCGG
AACTCCCCTGTGTGGACTGCGAGACCCAGAATCCCAACTGGGCCAGTTTGAAGTTGGGA
GCCCTCATGTGCATCGAATGCTCAGGGATCCACCGGAATCTTGGCACCCACCTTTCCCGA
GTCCGATCTTGGACCTGGATGACTGGCCAGTCGAGCTCATCAAGGTGATGTCATCCATC
GGGAACGAGCTAGCCAACAGCGTCTGGGAAGAGAGCAGCCAGGGGCGGACGAAACCATCG
GTAGACTCCACAAGGGAAGAGAAGGAACGGTGGATCCGTGCCAAGTACGAGCAGAAGCT
TTCTTGGCCCCGCTGCCCTGCACGGAGCTGTCCCTGGCCAGCACCTGCTGCGGGCCACC
GCCGACGAGGACCTGCGGACGGCCATCCTGCTGCTGGCACACGGCTCCCGGGACGAGGTG
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AATGTGCTCTGGCGCAGCTCCTGATCTGGTACGGAGTGGACGTACGGCCCGAGATGCC
CACGGGAACACAGCTCTGGCCTACGCCCGCAGGCCTCCAGCCAGGAGTGCATCGACGTG
CTGCTGCAGTACGGCTGCCCGACGAGCGCTTCGTGCTCATGGCCACCCCTAACCTGTCC
AGGAGAAAACAATAACCGGAACAACAGCAGTGGGAGGGTGGCCACCATCATCTGA

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Restriction Sites: Please inquire

ACCN: NM_001037131

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001037131.1</u> , <u>NP_001032208.1</u>
RefSeq Size:	4530 bp
RefSeq ORF:	2574 bp
Locus ID:	116987
UniProt ID:	<u>Q9UPQ3</u>
Cytogenetics:	2q37.2
Protein Pathways:	Endocytosis
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (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.</p>