

## Product datasheet for **MG227525**

### Agap1 (NM\_178119) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agap1 (NM_178119) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Agap1
Synonyms:	Centg2; Ggap1; mKIAA1099; R75364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG227525 representing NM\_178119  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACTACCAGCAGCAGCTGGCCAACCTCGGCTGCCATCCGGGCCGAGATCCAGCGCTTCGAGTCGGTCC  
 ACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCGTGGAGGAGCCGGTGTGCAGAACCAGATTCCG  
 GGAGCAGTCCATCGCCATCGAAGATGCTTTCGTGAACAGCCAGGAATGGACACTCAGCCGATCGGTACCG  
 GAGCTCAAAGTGGGAATTGTGGTAACCTGGCCAGTGGCAAGTCTGCGCTGGTGCACCGGTACCTGACAG  
 GCACGTACGTGCAGGAGGAATCTCCAGAAGGTGGCAGGTTCAAGAAGGAGATTGTTGTTGATGGACAGAG  
 TTATCTGCTGCTGATTAGGGATGAAGGGGGCCCCCGGAGGCACAGTTCGCCATGTGGGTGGACGCGGTC  
 ATCTTTGTCTTCAGCTTGGAGGATGAGATCAGTTTCCAGACTGTCTACCATTACTACAGCCGAATGGCCA  
 ACTACAGGAACACCAGTGAATCCCATTAGTGCTGGTGGGGACCCAGGATGCCATAAGTTCCACCAACCC  
 GAGGGTCAATCGATGACGTGAGGCTCGGAAGCTCTCCAATGACCTGAAGAGGTGCACGTACTATGAGACG  
 TGGCCACCTATGGGCTCAACGTGGAGCGGGTCTTCCAGGACGTTGCCCGAAGATCGTTGCCACAAGGA  
 AGAAGCAGCAGCTATCCATAGGCCCTGCAAGTCTTACCCAACCTCTCCAAGCCACTCGTCTGTGTGTTTC  
 TGCCCAAGTGTCCGCGGTACACATCAGCCAGACAAGTAACGGAGGTGGGAGTTTAAAGTACTACTCATCC  
 TCTGTTCTTCGACCCCAAGCACCAGCCAGAAAGAGCTTCGGATCGACGTCCCTCCCCTGCCAACACTC  
 CAACGCTGTCCGGAAGCAGTCCAAGCGCAGGTCCAACCTATTACATCTAGGAAAGGGAGCGACCCAGA  
 CAAAGAGAAGAAAGGCTGGAGAGCCGTGCGGACAGCATCGGGAGCGGGCAGCCATCCCAATTAACAG  
 GGCATGCTGCTGAAGCGAAGTGGCAAGTCACTGAACAAAGAGTGGAAAAAGAAGTACGTCACCCTGTGCC  
 ACAACGCTGTGCTGACCTACCACCCAGTTTACATGATTACATGCAGAATGTCCACGGCAAAGAGATAGA  
 CCTCTTGAGGACCACTGTGAAGGTGCCGGGAAGAGGCCGCCCGAGCCAGTCTGCCTGTGCACCGATC  
 TCCAGTCCAAAAACCAACGGCCTGGCCAAGGACATGAGCAGTTTACACATCTCACCAAATTCAGGGAATG  
 TCACTAGTGCCTGTGGTCTCAGATGGCAAGCGGCATCAGCCTGGTCTCCTTCAACAGCCGACCCGATGG  
 CATGCACCAGCGCTCCTACTCAGTCTCCAGTGGCAGCAGTGGAGTGCAGCTACAGTCAATTGCAAACTCA  
 GCCATCAGCAGTGCACGGGGCTGGGTGACTCGGTGTGTTCCAGCCCAAGTATCTCCAGCAGCACCAGCC  
 CCAAGCTCGACCCACCCCTCCCCACGCCAACAGAAAGAAGCACCAGGAGGAAGAAAAGTACCAGCAA  
 CTTCAAGGCTGACGGCTCTCAGGCACTGCTGAAGAGCAAGAAGAAAACCTGGAGTTTATCATTGTGTCC  
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 AGAGCCAGATCCTCGCCAGCCTGCAGTCTGCGAGAGCAGCAAGAATAAGTCCCGACTAACCAGCCAGAG  
 CGAAGCCATGGCCCTGCAGTCCATCCGTAACATGAGAGGGAACCTCGCACTGCGTGGACTGTGACACCCAA  
 AACCTAACTGGGCCAGTTTGAACCTGGGAGCCCTCATGTGTATCGAGTGTGCGGGATCCACCGGAATC  
 TCGGCACCCACCTCTCTCGGGTCAAGTCTGACCTGGACGACTGGCCATGGAGCTGATCAAGGTGAT  
 GTCATCCATCGGGAATGAGCTGGCCAACAGCGTGTGGGAAGAGGGCAGCCAGGGACGACAAAGCCCTCA  
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 CACTGCCATGCACAGAGTTCTCCCTGGCCAGCAGCTGCTGCGTCCACTGCCGAGGAAGACCTGCGGAC  
 TGTCACTCTACTTCTGGCACATGGGTCCCGGACGAGGTGAATGAGACCTGTGGGAAGGAGACCGTCCG  
 ACGGCGTGCACCTGGCCTGTGCAAGGCAACGTGGTCCCTGGCTCAGCTGCTGATCTGGTACGGAGTGG  
 ACGTCAATGGCCGAGACGCCACGGGAACAGCACTGGCCTATGCCCGGACGGCCTCCAGCCAGGAGTG  
 TATTGACGTGTTCTACAGTATGGCTGCCCGACGAGCGCTTTGTGCTCATGGCTACCCCTAACCTGTCC  
 AGGAAGAGCAACAGCAGGAACAACAGTAGCGGGAGGGCGCCAGTGTCTATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG227525 representing NM\_178119  
Red=Cloning site Green=Tags(s)

MNYQQQLANSAAIRAEIQRFEVHPNIYSIYELLERVEEPLVQNQIREHVIAIEDAFVNSQEWTLRSVPELKVGI VGNLASGKSALVHRYL TGTYYVQEESPEGGRFKKEIVVDGQSYLLLIRDEGGPPEAQFAMWVDAVIFVFSLEDEISFQT VYHYYSRMAN YRNTSEIPLVLVGTQDAISSNPRVIDDVRARKLSNDLKRCTYYETCATYGLNVERVFQDVAQKIVATRKKQQLSIGPCKSLPNSPSHSSVCSAQVSAVHISQTSNNGGSLSDYSSVSPSTPSQKELRIDVPP TANTPTPVRKQSKRRSNLFTSRKGS DPDKKKGLESRADSIGSGRAIPIKQGMLLKRSGKSLNKEWKKKYVTLCDNGVLTYPHSLHDYMQNVHGKEIDLRTTVKVPKRP PRATSACAPISSPKTNGLAKDMSLHISPNSGNVTSASGSQMASGISLVSFNSRPDGMHQRSYSVSSADQWSDATVIANS AISSDTGLGDSVCSSP SISISSTSPKLDPPPSPHANRKKHRRKSTSNFKADGLSGTAAEQEENLEFIIIVSLTGQTWHF EATTYEERDAWVQAI ESQILASLQSC ESSKNKSRLTSQSEAMALQSIRNMRGNSHCVDCDTQ NPNWASLNLGALMCIECSGIHRNLGTHLSRVSLDLDWPMELIKVMSSIGNELANSVWEEGSQGR TKPSLDSTREEKERWIRAKYEQKFLAPLPCTEFLGQQLLRATAEEDLRTVILL LAHGSRDEVNETCGEGDGR TALHLACRKG NVVLAQLLI WYGVDVMARDAHGNTALAYARQASSQECIDVLLQYGC PDERFVLMATPNLS RKSNRNNSSGRAPSVI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



**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\\_178119.3](#), [NP\\_835220.1](#)

**RefSeq Size:** 9581 bp

**RefSeq ORF:** 2574 bp

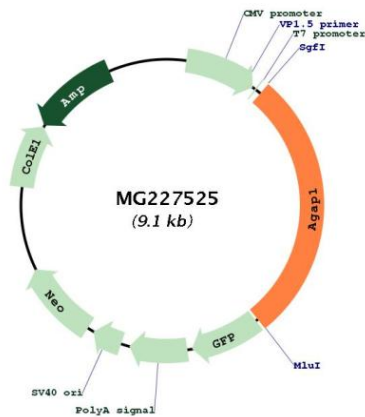
**Locus ID:** 347722

**UniProt ID:** [Q8BXK8](#)

**Cytogenetics:** 1 D

**Gene Summary:** GTPase-activating protein for ARF1 and, to a lesser extent, ARF5. Directly and specifically regulates the adapter protein 3 (AP-3)-dependent trafficking of proteins in the endosomal-lysosomal system (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG227525