

## Product datasheet for **MG227528**

### Agap1 (NM\_001037136) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agap1 (NM_001037136) 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:

>MG227528 representing NM\_001037136  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGA<sup>ACT</sup>ACCAGCAGCAGCTGGCCA<sup>ACT</sup>CGGCTGCCATCCGGGCCGAGATCCAGCGCTTCGAGTCGGTCC  
ACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCGTGGAGGAGCCGGTGTGCAGAACCAGATTCCG  
GGAGCAGTCATCGCCATCGAAGATGCTTTCGTGAACAGCCAGGAATGGACACTCAGCCGATCGGTACCG  
GAGCTCAAAGTGGGAATTGTGGGTAACCTGGCCAGTGGCAAGTCTGCGCTGGTGCACCGGTACCTGACAG  
GCACGTACGTGCAGGAGGAATCTCCAGAAGGTGGCAGGTTCAAGAAGGAGATTGTTGTTGATGGACAGAG  
TTATCTGCTGCTGATTAGGGATGAAGGGGGCCCCCGAGGCACAGTTCGCCATGTGGGTGGACGCGGT  
ATCTTTGTCTTCAGCTTGAGGATGAGATCAGTTTCCAGACTGTCTACCATTACTACAGCCGAATGGCCA  
ACTACAGGAACACCAGTGAATCCATTAGTGTGGTGGGACCCAGGATGCCATAAGTTCACCAACCC  
GAGGGTCAATCGATGACGTGAGGCTCGGAAGCTCTCCAATGACCTGAAGAGGTGCACGTACTATGAGACG  
TGCGCCACCTATGGGCTCAACGTGGAGCGGGTCTTCCAGGACGTTGCCCGAGAAGATCGTTGCCACAAGGA  
AGAAGCAGCAGCTATCCATAGGCCCTGCAAGTCTTACCCA<sup>ACT</sup>CTCCAAGCCACTCGTCTGTGTGTTCC  
TGCCCAAGTGTCCGCGGTACACATCAGCCAGACAAGTAACGGAGGTGGGAGTTTAAAGTACTACTCATCC  
TCTGTTCCCTCGACCCCAAGCACCAGCCAGAAAGAGCTTCGGATCGACGTCCCTCCCACTGCCAACACTC  
CAACGCCTGTCCGGAAGCAGTCCAAGCGCAGGTCCAACCTATTACATCTAGGAAAGGGAGCGACCCAGA  
CAAAGAGAAGAAAGGCCCTGGAGAGCCGTGCGGACAGCATCGGGAGCGGGCAGCCATCCCAATTAACAG  
GGCATGCTGCTGAAGCGAAGTGGCAAGTCACTGAACAAAGAGTGGAAAAAGAAGTACGTACCCCTGTGCG  
ACAACGGTGTGCTGACCTACCACCCAGTTTACATGATTACATGCAGAATGTCCACGGCAAGAGATAGA  
CCTCTTGAGGACCACTGTGAAGGTGCCGGGAAGAGGCCGCCCGAGCCAGTCTGCCTGTGCACCGATC  
TCCAGTCCCAAAACCAACGGCCTGGCCAAGGACATGAGCAGTTTACACATCTCACAAATTCAGACACGG  
GGCTGGGTGACTCGGTGTGTTCCAGCCCAAGTATCTCCAGCAGCACCAGCCCAAGCTCGACCCACCCCC  
CTCCCCCAGCCAAACAGAAAGAAGCACCAGGGAAGAAAGTACCAGCAACTTCAAGGCTGACGGGCTC  
TCAGGCACTGCTGAAGAGCAAGAAGAAACTTGGAGTTTATCATTGTGTCCCTCACTGGCCAGACGTGGC  
ACTTTGAAGCCACCACATACGAGGAGCGAGACGCATGGGTCCAAGCCATCGAGAGCCAGATCCTCGCCAG  
CCTGCAGTCGTGCGAGAGCAGCAAGAATAAGTCCCGACTAACCCAGCCAGAGCGAAGCCATGGCCCTGCAG  
TCCATCCGTAACATGAGAGGGA<sup>ACT</sup>CGCACTGCGTGGACTGTGACACCCAAAACCCTAACGGGCCAGTT  
TGA<sup>ACT</sup>TGGGAGCCCTCATGTGTATCGAGTGTCTGGGGATCCACC<sup>GAA</sup>TCTCGGCACCCACCTCTCTCG  
GGTCAGATCGCTAGACCTGGACGACTGGCCATGGAGCTGATCAAGGTGATGTATCCATCGGGAATGAG  
CTGGCCAAACAGCGTGTGGGAAGAGGGCAGCCAGGGACGGACAAAGCCCTCACTGGACTCCACCAGGGAAG  
AAAAGGAAAGGTGGATCCGGGCCAAGTATGAGCAGAACTCTTCTGGCCCCACTGCCATGCACAGAGTT  
CTCCCTGGGCCAGCAGCTGCTGCGTGCCACTGCCGAGGAAGACCTGCGGACTGTGATCCTACTTCTGGCA  
CATGGGTCCCGGACGAGGTGAATGAGACCTGTGGGAAGGAGACGGTCGCACGGCGCTGCACCTGGCCT  
GTCGCAAGGGCAACGTGGTCTGGCTCAGCTGCTGATCTGGTACGGAGTGGACGTGATGGCCGAGACGC  
CCACGGGAACACAGCACTGGCCTATGCCCGCAGGCCTCCAGCCAGGAGTGTATTGACGTGCTTCTACAG  
TATGGCTGCCCCGACGAGCGCTTTGTGCTCATGGCTACCCCTAACCTGTCCAGGAAGAGCAACAGCAGGA  
ACAACAGTAGCGGGAGGGCGCCAGTGTATC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG227528 representing NM\_001037136  
 Red=Cloning site Green=Tags(s)

MNYQQQLANSAAIRAEIQRFEVHPNIYSIYELLERVEEVLQIQIREHVIAIEDAFVNSQEWTLRSVPELKVGI VGNLASGKSALVHRYL TGTYYVQEESPEGGRFKKEIVVDGQSYLLLIRDEGGPPEAQFAMWVDAVIFVFSLEDEISFQTVYHYYSRMANRNTSEIPLVLVGTQDAISSNPRVIDDVRARKLSNDLKRCTYYETCATYGLNVERVFQDVAQKIVATRKKQQLSIGPCKSLPNPSHSSVCSAQVSAVHISQTSNGGGSLSDYSSVVPSTPSTSQKELRIDVPPTANTPTPVRKQSKRRSNLFTSRKGSDDPKKGLSRADSIGSGRAIPIKQGMLLKRSKSLNKEWKKKYVTLCDNGVLTYPHSLHDYMQNVHGKEIDLLRRTTVKVPKRPPrATSACAPISSPKTNGLAKDMSSLHISPNSDTGLGDSVCSSPSISSSTSPKLDPPPSPHANRKKHRRKSTSNFKADGLSGTAAEQEENLEFIIIVSLTGQTWHFATTYEERDAWVQAIESQILASLQSCSSKNSRLTSQSEAMALQSIRNMRGNSHCVDCDTQNPNWASLNLGALMCIECSGIHRNLGTHLSRVRSLLDDWPMELIKVMSSIGNELANSVWEEGSQGRTKPSLDSTREEKERWIRAKYEQKFLAPLPCTEFLGQQLLRATAEEDLRTVILLLAHGSRDEVNETCGEGDGRALHLACRKGNVVLAQLLIWYGVDMARDAHGNTALAYARQASSQECIDVLLQYGC PDERFVLMATPNLSRKSNSRNSSGRAPSVI

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\\_001037136.1](#), [NP\\_001032213.1](#)

**RefSeq Size:** 9422 bp

**RefSeq ORF:** 2415 bp

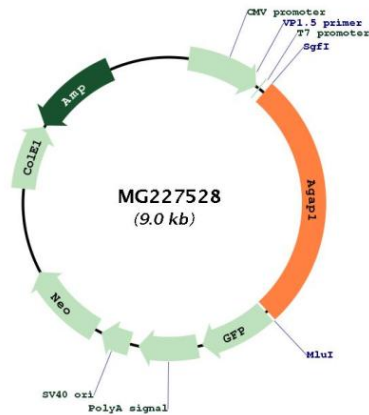
**Locus ID:** 347722

**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 MG227528