

Product datasheet for **MC221789**

Agap1 (NM_001037136) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Agap1 (NM_001037136) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Agap1 |
| Synonyms: | Centg2; Ggap1; mKIAA1099; R75364 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221789 representing NM_001037136
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACTACCAGCAGCAGCTGGCCAACCTCGGCTGCCATCCGGGCCGAGATCCAGCGCTTCGAGTCGGTCC
 ACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCGTGGAGGAGCCGGTGTGCAGAACCAGATTCCG
 GGAGCACGTCATCGCCATCGAAGATGCTTTCGTGAACAGCCAGGAATGGACACTCAGCCGATCGGTACCG
 GAGCTCAAAGTGGGAATTGTGGTAACCTGGCCAGTGGCAAGTCTGCGCTGGTGCACCGGTACCTGACAG
 GCACGTACGTGCAGGAGGAATCTCCAGAAGGTGGCAGGTTCAAGAAGGAGATTGTTGTTGATGGACAGAG
 TTATCTGCTGCTGATTAGGGATGAAGGGGGCCCCCGAGGCACAGTTCGCCATGTGGGTGGACGCGGTC
 ATCTTTGTCTTCAGCTTGGAGGATGAGATCAGTTTCCAGACTGTCTACCATTACTACAGCCGAATGGCCA
 ACTACAGGAACACCAGTGAATCCCATTAGTGTGGTGGGACCCAGGATGCCATAAGTTCACCAACCC
 GAGGGTCAATCGATGACGTGAGGCTCGGAAGCTCTCCAATGACCTGAAGAGGTGCACGTACTATGAGACG
 TGCGCCACCTATGGGCTCAACGTGGAGCGGGTCTTCCAGGACGTTGCCCGAGAAGATCGTTGCCACAAGGA
 AGAAGCAGCAGCTATCCATAGGCCCTGCAAGTCTTACCCAACCTCTCCAAGCCACTCGTCTGTGTGTTTC
 TGCCCAAGTGTCCGCGGTACACATCAGCCAGACAAGTAACGGAGGTGGGAGTTTAAAGTACTACTCATCC
 TCTGTTCCCTCGACCCCAAGCACCAGCCAGAAAGAGCTTCGGATCGACGTCCCTCCCCTGCCAACACTC
 CAACGCCTGTCCGGAAGCAGTCCAAGCGCAGGTCCAACCTATTACATCTAGGAAAGGGAGCGACCCAGA
 CAAAGAGAAGAAAGCCCTGGAGAGCCGTGCGGACAGCATCGGGAGCGGGCAGCCATCCCAATTAACAG
 GGCATGCTGCTGAAGCGAAGTGGCAAGTCACTGAACAAAGAGTGGAAAAAGAAGTACGTCACCCTGTGCG
 ACAACGGTGTGCTGACCTACCACCCAGTTTACATGATTACATGCAGAATGTCCACGGCAAGAGATAGA
 CCTCTTGAGGACCCTGTGAAGGTGCGGGGAAGAGGCCGCCCGAGCCAGTCTGCCTGTGCACCGATC
 TCCAGTCCAAAAACACGGCCTGGCCAAGGACATGAGCAGTTTACACATCTCACAAATTCAGACACGG
 GGCTGGGTGACTCGGTGTGTTCCAGCCCAAGTATCTCCAGCAGCACCAGCCCAAGCTCGACCCACCCCC
 CTCCCCCAGCCAAACAGAAAGAAGCACCAGGGAAGAAAGTACCAGCAACTTCAAGGCTGACGGGCTC
 TCAGGCACTGCTGAAGAGCAAGAAGAAACTTGGAGTTTATCATTGTGTCCTCACTGGCCAGAGCTGGC
 ACTTTGAAGCCACCACATACGAGGAGCGAGACGCATGGGTCCAAGCCATCGAGAGCCAGATCCTCGCCAG
 CCTGCAGTCGTGCGAGAGCAGCAAGAATAAGTCCCGACTAACCCAGCCAGAGCGAAGCCATGGCCCTGCAG
 TCCATCCGTAACATGAGAGGGAACCTCGACTGCGTGGACTGTGACACCCAAAACCCTAATGGGCCAGTT
 TGAATTGGGAGCCCTCATGTGTATCGAGTGTGCGGGATCCACCGGAATCTCGGCACCCACCTCTCTCG
 GGTGAGATCGCTAGACCTGGACGACTGGCCATGGAGCTGATCAAGGTGATGTCATCCATCGGGAATGAG
 CTGGCCAAACAGCGTGTGGGAAGAGGGCAGCCAGGGACGGACAAAGCCCTCACTGGACTCCACCAGGGAAG
 AAAAGGAAAGGTGGATCCGGGCCAAGTATGAGCAGAACTCTTCTGGCCCCACTGCCATGCACAGAGTT
 CTCCCTGGGCCAGCAGCTGCTGCGTGCCACTGCCAGGAAGACCTGCGGACTGTGTCATCCTACTTCTGGCA
 CATGGGTCCCGGACGAGGTGAATGAGACCTGTGGGAAGGAGACGGTGCACGGCGCTGCACCTGGCCT
 GTCGCAAGGGCAACGTGGTCTGGCTCAGCTGCTGATCTGGTACGGAGTGGACGTGATGGCCGAGACGC
 CCACGGGAACACAGCACTGGCCTATGCCCGCAGGCCTCCAGCCAGGAGTGTATTGACGTGCTTCTACAG
 TATGGCTGCCCCGACGAGCGCTTTGTGCTCATGGCTACCCTAACCTGTCCAGGAAGAGCAACAGCAGGA
 ACAACAGTAGCGGGAGGGCGCCAGTGTAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001037136
Insert Size: 2415 bp

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| 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: | <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_001037136.1</u> , <u>NP_001032213.1</u> |
| RefSeq Size: | 9422 bp |
| RefSeq ORF: | 2415 bp |
| Locus ID: | 347722 |
| UniProt ID: | <u>Q8B XK8</u> |
| Cytogenetics: | 1 D |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame segment, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p> |