

Product datasheet for **MC222206**

Agap1 (NM_178119) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agap1 (NM_178119) 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: >MC222206 representing NM_178119
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACTACCAGCAGCAGCTGGCCAACCTCGGCTGCCATCCGGGCCGAGATCCAGCGCTTCGAGTCGGTCC
 ACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCGTGGAGGAGCCGGTGTGCAGAACCAGATTCCG
 GGAGCACGTCATCGCCATCGAAGATGCTTTCGTGAACAGCCAGGAATGGACACTCAGCCGATCGGTACCG
 GAGCTCAAAGTGGGAATTGTGGGTAACCTGGCCAGTGGCAAGTCTGCGCTGGTGCACCGGTACCTGACAG
 GCACGTACGTGCAGGAGGAATCTCCAGAAGGTGGCAGGTTCAAGAAGGAGATTGTTGTTGATGGACAGAG
 TTATCTGCTGCTGATTAGGGATGAAGGGGGCCCCCGGAGGCACAGTTCGCCATGTGGGTGGACGCGGTC
 ATCTTTGTCTTCAGCTTGGAGGATGAGATCAGTTTCCAGACTGTCTACCATTACTACAGCCGAATGGCCA
 ACTACAGGAACACCAGTGAATCCATTAGTGTGGTGGGAGCCAGGATGCCATAAGTTCCACCAACCC
 GAGGGTCAATCGATGACGTGAGGCTCGGAAGCTCTCCAATGACCTGAAGAGGTGCACGTACTATGAGACG
 TGCGCCACCTATGGGCTCAACGTGGAGCGGGTCTTCCAGGACGTTGCCCGAAGATCGTTGCCACAAGGA
 AGAAGCAGCAGCTATCCATAGGCCCTGCAAGTCTTACCCAACCTCTCCAAGCCACTCGTCTGTGTGTTTC
 TGCCCAAGTGTCCGCGGTACACATCAGCCAGACAAGTAACGGAGGTGGGAGTTTAAAGTACTACTCATCC
 TCTGTTCCCTCGACCCCAAGCACCAGCCAGAAAGAGCTTCGGATCGACGTCCCTCCCCTGCCAACACTC
 CAACGCCTGTCCGGAAGCAGTCCAAGCGCAGGTCCAACCTATTACATCTAGGAAAGGGAGCGACCCAGA
 CAAAGAGAAGAAAGGCCCTGGAGAGCCGTGCGGACAGCATCGGGAGCGGGCAGCCATCCCAATTAACAG
 GGCATGCTGCTGAAGCGAAGTGGCAAGTCACTGAACAAAGAGTGGAAAAAGAAGTACGTCAACCTGTGCG
 ACAACGGTGTGCTGACCTACCACCCAGTTTACATGATTACATGCAGAATGTCCACGGCAAAGAGATAGA
 CCTCTTGAGGACCACTGTGAAGGTGCCGGGAAGAGGCCGCCCGAGCCAGTCTGCCTGTGCACCGATC
 TCCAGTCCCAAAACCAACGGCCTGGCCAAGGACATGAGCAGTTTACACATCTCACCAAATTCAGGGAATG
 TCACTAGTGCCTGTGGTCTCAGATGGCAAGCGGCATCAGCCTGGTCTCCTTCAACAGCCGACCCGATGG
 CATGCACCAGCGCTCCTACTCAGTCTCCAGTGGCAGCAGTGGAGTACGCTACAGTCAATGCAAACCTCA
 GCCATCAGCAGTACACGGGGCTGGGTGACTCGGTGTGTTCCAGCCCAAGTATCTCCAGCAGCACCAGCC
 CCAAGCTCGACCCACCCCTCCCCACGCCAACAGAAAGAAGCACCAGGAGGAAGAAAAGTACCAGCAA
 CTTCAAGGCTGACGGCTCTCAGGCACTGCTGAAGAGCAAGAAGAAAACCTGGAGTTTATCATTGTGTC
 CTCCTGCGCCAGCGTGGCACTTTGAAGCCACCACATACGAGGAGCGAGACGCATGGGTCCAAGCCATCG
 AGAGCCAGATCCTCGCCAGCCTGCAGTCTGCGAGAGCAGCAAGAATAAGTCCCGACTAACCAGCCAGAG
 CGAAGCCATGGCCCTGCAGTCCATCCGTAACATGAGAGGGAACCTCGCACTGCGTGGACTGTGACACCCAA
 AACCTAACTGGGCCAGTTTGAACCTGGGAGCCCTCATGTGTATCGAGTGTGCGGGATCCACCGGAATC
 TCGGCACCCACCTCTCTCGGGTCAAGTCTGACCTGGACGACTGGCCATGGAGCTGATCAAGGTGAT
 GTCATCCATCGGGAATGAGCTGGCCAACAGCGTGTGGGAAGAGGGCAGCCAGGGACGACAAAGCCCTCA
 CTGGACTCCACAGGGAAGAAAAGGAAAGGTGGATCCGGGCCAAGTATGAGCAGAACTCTTCTGGCCC
 CACTGCCATGCACAGAGTTCTCCCTGGCCAGCAGCTGCTGCGTCCACTGCCGAGGAAGACCTGCGGAC
 TGTCACTCTACTTCTGGCACATGGGTCCCGGACGAGGTGAATGAGACCTGTGGGAAGGAGACCGTCCG
 ACGGCGTGCACCTGGCCTGTGCAAGGCAACGTGGTCTGGCTCAGCTGCTGATCTGGTACGGAGTGG
 ACGTCAATGGCCGAGACGCCACGGGAACAGCACTGGCCTATGCCCGGACGGCCTCCAGCCAGGAGTG
 TATTGACGTGTTCTACAGTATGGCTGCCCGACGAGCGCTTTGTGCTCATGGCTACCCCTAACCTGTCC
 AGGAAGAGCAACAGCAGGAACAACAGTAGCGGGAGGGCGCCAGTGCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_178119
Insert Size: 2574 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:	<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:	NM_178119.3 , NP_835220.1
RefSeq Size:	9581 bp
RefSeq ORF:	2574 bp
Locus ID:	347722
UniProt ID:	Q8B XK8
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 (1) represents the longer transcript and it encodes the longer protein (isoform 1).</p>