

Product datasheet for **MR227525**

Agap1 (NM_178119) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agap1 (NM_178119) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agap1
Synonyms:	Centg2; Ggap1; mKIAA1099; R75364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227525 representing NM_178119
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACTACCAGCAGCAGCTGGCCAACCTCGGCTGCCATCCGGGCCGAGATCCAGCGCTTCGAGTCGGTCC
 ACCCCAACATCTACTCCATCTACGAGCTGCTGGAGCGCGTGGAGGAGCCGGTGTGCAGAACCAGATTCCG
 GGAGCAGTCCATCGCCATCGAAGATGCTTTCGTGAACAGCCAGGAATGGACACTCAGCCGATCGGTACCG
 GAGCTCAAAGTGGGAATTGTGGTAACCTGGCCAGTGGCAAGTCTGCGCTGGTGCACCGGTACCTGACAG
 GCACGTACGTGCAGGAGGAATCTCCAGAAGGTGGCAGGTTCAAGAAGGAGATTGTTGTTGATGGACAGAG
 TTATCTGCTGCTGATTAGGGATGAAGGGGGCCCCCGAGGCACAGTTCGCCATGTGGGTGGACGCGGTC
 ATCTTTGTCTTCAGCTTGGAGGATGAGATCAGTTTCCAGACTGTCTACCATTACTACAGCCGAATGGCCA
 ACTACAGGAACACCAGTGAATCCCATTAGTGCTGGTGGGACCCAGGATGCCATAAGTTCCACCAACCC
 GAGGGTCAATCGATGACGTGAGGCTCGGAAGCTCTCCAATGACCTGAAGAGGTGCACGTACTATGAGACG
 TGGCCACCTATGGGCTCAACGTGGAGCGGGTCTTCCAGGACGTTGCCAGAAAGATCGTTGCCACAAGGA
 AGAAGCAGCAGCTATCCATAGGCCCTGCAAGTCTTACCAACTCTCCAAGCCACTCGTCTGTGTGTTTC
 TGCCCAAGTGTCCGCGGTACACATCAGCCAGACAAGTAACGGAGGTGGGAGTTTAAAGTACTACTCATCC
 TCTGTTCTTCGACCCCAAGCACCAGCCAGAAAGAGCTTCGGATCGACGTCCCTCCCCTGCCAACACTC
 CAACGCTGTCCGGAAGCAGTCCAAGCGCAGGTCCAACCTATTACATCTAGGAAAGGGAGCGACCCAGA
 CAAAGAGAAGAAAGGCTGGAGAGCCGTGCGGACAGCATCGGGAGCGGGCAGCCATCCCAATTAACAG
 GGCATGCTGCTGAAGCGAAGTGGCAAGTCACTGAACAAAGAGTGGAAAAAGAAGTACGTCACCCTGTGCC
 ACAACGCTGTGCTGACCTACCACCCAGTTTACATGATTACATGCAGAATGTCCACGGCAAAGAGATAGA
 CCTCTTGAGGACCACTGTGAAGGTGCCGGGAAGAGGCCGCCCGAGCCAGTCTGCCTGTGCACCGATC
 TCCAGTCCAAAAACCAACGGCCTGGCCAAGGACATGAGCAGTTTACACATCTCACCAAATTCAGGGAATG
 TCACTAGTGCCTGTGGTCTCAGATGGCAAGCGGCATCAGCCTGGTCTCCTTCAACAGCCGACCCGATGG
 CATGCACCAGCGCTCCTACTCAGTCTCCAGTGGCAGCAGTGGAGTACGCTACAGTCAATGCAAATCA
 GCCATCAGCAGTACACGGGCTGGGTGACTCGGTGTGTTCCAGCCAAAGTATCTCCAGCAGCACCAGCC
 CCAAGCTCGACCCACCCCTCCCCACGCCAACAGAAAGAAGCACCAGGAGGAAGAAAAGTACCAGCAA
 CTTCAAGGCTGACGGCTCTCAGGCACTGCTGAAGAGCAAGAAGAAAACCTGGAGTTTATCATTGTGTC
 CACTGCGCCAGCAGTGGCACTTTGAAGCCACCACATACGAGGAGCGAGACGCATGGGTCCAAGCCATCG
 AGAGCCAGATCCTCGCCAGCCTGCAGTCTGCGAGAGCAGCAAGAATAAGTCCCGACTAACCAGCCAGAG
 CGAAGCCATGGCCCTGCAGTCCATCCGTAACATGAGAGGGAACCTCGCACTGCGTGGACTGTGACACCCAA
 AACCTAACTGGGCCAGTTTGAACCTGGGAGCCCTCATGTGTATCGAGTGTGCGGGATCCACCGGAATC
 TCGGCACCCACCTCTCTCGGTCAGATCGCTAGACCTGGACGACTGGCCATGGAGCTGATCAAGGTGAT
 GTCATCCATCGGGAATGAGCTGGCCAACAGCGTGTGGGAAGAGGGCAGCCAGGGACGACAAAGCCCTCA
 CTGGACTCCACCAGGGAAGAAAAGGAAAGGTGGATCCGGGCCAAGTATGAGCAGAACTCTTCTGGCCC
 CACTGCCATGCACAGAGTTCTCCCTGGCCAGCAGCTGCTGCGTCCACTGCCGAGGAAGACCTGCGGAC
 TGTCACTCTACTTCTGGCACATGGGTCCCGGACGAGGTGAATGAGACCTGTGGGAAGGAGACCGTCCG
 ACGGCGTGCACCTGGCCTGTGCAAGGCAACGTGGTCCCTGGCTCAGCTGCTGATCTGGTACGGAGTGG
 ACGTCAATGGCCGAGACGCCACGGGAACAGCACTGGCCTATGCCCGGACGGCCTCCAGCCAGGAGTG
 TATTGACGTGTTCTACAGTATGGCTGCCCGACGAGCGCTTTGTGCTCATGGCTACCCCTAACCTGTCC
 AGGAAGAGCAACAGCAGGAACAACAGTAGCGGGAGGGCGCCAGTGTCTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227525 representing NM_178119
 Red=Cloning site Green=Tags(s)

MNYQQQLANSAAIRAEIQRFEVHPNIYSIYELLERVEEVLQIQIREHVIAIEDAFVNSQEWTLRSVPELKVIGVGNLASGKSALVHRYL TGTYYVQEE SPEGGRFKKEI VVDGQSYLLLRDEGGPPEAQFAMWVDAVIFVFSLEDEISFQT VYHYYSRMAN YRNTSEIPLVLVGTQDAISSNPRVIDDVRARKLSNDLKRCTYYETCATYGLNVERVFQDVAQKIVATRKKQQLSIGPCKSLPNSPSHSSVCSAQVSAVHISQTSNNGGSLSDYSSVSPSTPSQKELRIDVPPTANTPTPVRKQSKRRSNLFTSRKGS DPKKEKKGLESRADSIGSGRAIPIKQGMLLKRS GKS LNKEWKKKYVTLCDNGVLTYPHSLHDYMQNVHGKEIDLRLTTVKVPGKRPPRATSACAPISSPKTNGLAKDMSSLHISPNSGNVTSASGSQMASGISLVSFNSRPDGMHQRSYSVSSADQWSDATVIANS AISSDTGLGDSVCSSPISISSTSPKLDPPPSPHANRKKHRRKSTSNFKADGLSGTAAEEQENLEFIIVSLTGQTWHF EATTYEERDAWVQAI ESQILASLQSCSSKNKSR L TSQSEAMALQSI RNMGRNSHCVCDCDTQNPNWASLNLGALMCIECSGIHRNLGTHLSRVRS LDLDWPMELIKVMSSIGNELANSVWEEGSGR TKPSLDSTREEKERWIRAKYEQKFLA PLPCTEFSLGGQQLLRATAEEDLRTVILL LLAHGSRDEVNETCGEGDGR TALHLACRKG NVVLAQLLIWYGVDMARDAHGNTALAYARQASSQECIDVLLQYGC PDERFVLMATPNLS RKSNRRNNSSGRAPSVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

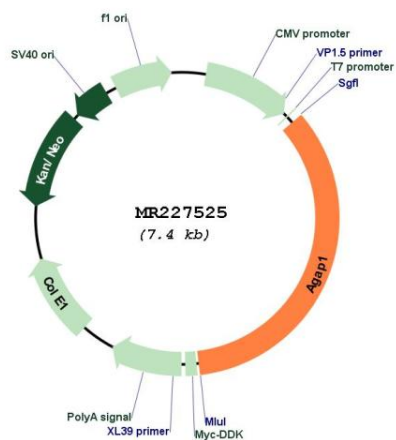
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_178119
ORF Size:	2571 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	94.9 kDa
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 MR227525