

## Product datasheet for RN217533

### Agap2 (NM\_023026) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agap2 (NM_023026) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Agap2
Synonyms:	Centg1; Pike
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217533 representing NM_023026 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCGGGGCGGGCGCGCTTCAGCGCCGGACAACGACCTACCTCATCTCGTGACCCTGGTCAAGC  
TCGAGTCGGTACCTCCGCCGCCCTTCTCCGTCTGCAGCTGCGGTGCGGCCCTGGGGCCAGAGGCTC  
GGAGCCCCGAGATCCTGGCAGCCCCGAGGCGCGGAGGAACCCGCAAGAAGCGGCACGAGCGTCTTTC  
CACCGGCAGGATGCGCTGTGGATCAGTACCAGCAGCGCGGGCGCCGGGGCGCGGAGCCCCCGCGTGT  
CCCCGGTCCGGCCAGTCCGGCTCGCCCGTCTCCCCGGTCCGGGCCGCGACTGTCCCTCTGGGCCGC  
CCCTCCGGGACCCCCGCTCTCCGGGGGGTGGAGCCCGACTCAAAGCCGGGGGGCCGCCCTCTTCTCT  
CGGCGCCCTCTACTCAGCAGCCGAGCTGGGGGGTCCGGAACCTGAAGGCCGGACGGGTGGCGCGTCC  
CGGGTCGTCTCCCGCATCTGGCACCGGTAGCCGAAGGCTCAAGGTGGCGCCTCCTCCGCCAGCTCC  
CAAGCCTTTCAAGACCGTGACCACTAGTGGAGCCAAAGCCGGCGGGGCAAGGGCGCGGGTAGCCGCTG  
TCATGGCCGAAAGCGAGGGCAAACCCAGGGTCAAGGGTCAAAGAGCACCGCCGGGACTGGAGCCTCTG  
CCGTTGCGGCCGGCGGGGAGGGAGCGCTGCAGTACGACCTCTGGTGGGTGCGTGTGGGGTGGAGC  
GAGAGGAAAATTGTCCTCGGAAAGGCAAGAGTAAGACCTTGGACAATAGTGACTTGCACCCAGGACCC  
AGTGCCGGTCTCCTCCGCTACCGTGCCAGCAATCCCAGTCCAGCTACTTCTGTCACTGCCCTCCA  
CGCAGCCCTCGGCCTGCACCCCTATCACTCTGGAGCCAGCTCCGGGGTAAAAAGGGGCCGGGA  
GGCGGCCGAGCGTCCACTCGTGACCGCAAGATGCTCAAGTTTATCAGCGGTATCTTACCAAGAGCACA  
GGAGGGCCTCCCGTCCCGGCCCTTCCCGACCCCAAGGCTTGTCTTCCAGCAGCGGGTCCAGGGAGC  
TGCTGGGCGCAGAGCTACGCGCTCCCTAAGGCTGTGGTCAATAGTCAGGAATGGACTTTGAGCCGATC  
AATCCCGAACTGCGCTGGGTGTGCTGGGTGATGTCAGGAGTGGGAAGTATCCCTCATCCACAGATTC  
CTCACGGTTTACACCAGGTGCTGGAGAAGCCTGAGAGTGAAGTACAGAGTACAAGAAGGAGATGCTGGTGGATG  
GGCAGACCCATCTGGTGTGATCCGAGAGGAAGCAGGGGCACCGATGCCAAGTTCTCAGGCTGGGCAGA  
TGCTGTGATCTTCTCAGCCTGGAGGATGAGAGCAGCTTCCAGGCTGTGAGCCATCTCCATGGGCAG



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CTGATCTCCCTCCGGGGGAGGGACGAGGAGGTCTGGCCCTTGCCTGGTTGGGACCCAAGACAGGATCA  
 GCGCATCGTCCCCTCGAGTGGTGGGTGATGCTCGAGCCCGGGCATTGTGTACCGACATGAAGCGCTGCAG  
 CTAATAATGAGACCTGTGCAACCTATGGGCTCAATGTGGACCGGGTCTTCCAGGAGGTGGCCAGAAGGTG  
 GTGACCTTGCGCCAAACAGCAGCAACTCTGGCGGCTTGAAGTCCCTGCCAGCTCACCAGCCATTGAG  
 CTGCTTACTCCTGTAGCTGGGAGGCTAGTAATGGGGCCACACTAGCAGTACTCTTCTCCCTCCC  
 ATCTTCACCCAATGTTGGACACCGGGAGCTCCGGGCTGAGGACGCTGCGGTGGCTGGGTTGAGCACCCCA  
 GGGTCTTACATCGAGCAGCCAAGCGGGGAGCCAGCCTTTTGGGAACCGTCGAGGAGTATTGAGAGAGA  
 AACGGAGCTTAGACAGTCCGGGGGAGACAACAGGGAGTGGGCGAGCCATCCCATTAAACAGAGTTTCTT  
 GCTAAAGCGAAGTGGCAATTCTTGAACAAGAGTGAAGAAGAAATACGTGACCTTGTCAGCAATGGC  
 TTTCTGCTTACCACCCTAGCATTAAATGATTACATCCACAGTACACACGGCAAAGAGATGGACTTGTAC  
 GAACAACAGTCAAAGTCCCAGGCAAGCGGCCCAAGGGTATCTCTGCTTTCGGCCCTCAGCCAGCAT  
 CAATGGGTTGGTCAAGGATATGAGCACTGTCCAGATGGGTGAAGGCCCTGAAGCCTCAACTCCAATGCCA  
 AGCCCCAGTCCCAGCCCCAGCTCCCTGCAGCTCCCAACAGACCAAACATCCAAGCACCTGTTGAAGCCAG  
 ACCGGAATTTGGCCCGTCCCTTAGCACCGACTGTACCCCATCTGGAGACCTGAGTCCCCTGAGTCGGGA  
 ACCCCACCTTCTCCATGGTGAAGAAGCAGAGGAGGAAGAAATGTCCACACCATCTAAGACTGAAGGC  
 TCAGCTGTGCAGGCTGAAGCCAAGCGCAAAATGTGGAAACTAAAACTCTTTGGTAGTTTAAAGAAATATT  
 ATAAAGCAGAGGAAAACCTTTGAGTTCCTGATCGTGTCCAGCACTGGTCAGACGTGGCACTTTGAGGCAGC  
 CAGCTTCGAGGAGAGGGATGCCTGGGTTAGGCCATTGAGAGTCAGATCCTGGCCAGTCTGCAATGCTGT  
 GAGAGCAGCAAGGTCAAGCTGCGCACTGACAGCCAAGTGAAGCCGTGGCCATCCAGGCGATCCGCAACG  
 CAAAGGGAAAACCTCGACCTGTGTGGACTGTGGAGCCCCAACCCACGTTGGCCAGTTTGAATCTGGGCGC  
 ACTCATCTGCATCGAATGTTCTGGCATCCACCGAACCTGGGCACGCACCTGTCTCGAGTGCCTTCGCTG  
 GACTTGGATGACTGGCCCGGGAGCTGACCTGGTGTGACGGCATTGGCAACGACACGGCCAATCGCG  
 TGTGGGAGAGCGACACTCGGGCCGTGCCAAGCCACGCGGACTCTTCGAGGGAGGAGCCGTGATCGTG  
 GATTCGGGCCAAGTACGAACAGCTGCTGTTCTGGCGCCTCTGGCACCCAGGAGGAGCCGCTGGGCGC  
 CAACTGTGGGCCGCTGTGGAGGCCAGGACGTGGCCGCGTTCTGCTGCTTCTGGCCACGCGCGCATG  
 GGCCGCTGGACACCAGCGTGGAGACCCTCAGCTCCGCTCGCCGCTGCACTTGGCGGCCGAGCTCGCCCA  
 CGTTGTTATTACACAGCTGCTGTTGTGGTATGGCGCAGACGTGGCGGCCCGCATGCGCAGGGCCGACA  
 GCATTGTTCTACGCCCGCAGGCTGGCAGCCAGCTATGTGCAGACATCCTCCTCCAGCACGGCTGTCCGG  
 GAGAGGGCGGCAGTACAGCCACCAGCCAGCGCGCCACCACCCCCAGCATTACCGCCACGCCAGCC  
 GAGGCGCCGAGCAGTGTGCCAGCTTGGGTCGCGTGGACACCACGATCGCGCTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_023026
- Insert Size:** 3561 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:**

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\\_023026.2](#), [NP\\_075415.2](#)

**RefSeq Size:** 4884 bp

**RefSeq ORF:** 3561 bp

**Locus ID:** 65218

**UniProt ID:** [Q8CGU4](#)

**Cytogenetics:** 7q22

**Gene Summary:** a nuclear GTPase that interacts with PI3K [RGD, Feb 2006]