

Product datasheet for MC223867

Agap2 (NM_001033263) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agap2 (NM_001033263) Mouse Untagged Clone
Tag: Tag Free
Symbol: Agap2
Synonyms: AGAP-2; Centg; Centg1; cnt-g1; mKIAA0167; PIKE
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223867 representing NM_001033263
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCGGGGCGGGCGCGCTTCAGCGCCGGACAACGACCTACCTCATCTCGCTGACCCTGGTCAAGC
 TCGAGTCGGTACCTCCGCCGCCCTTCTCCATCTGCAGCCGAGCCGGCGCCCCGGGGCCAGAGGCTC
 CGAGCCCCGAGATCCTGGCAGCCCCGAGGCTCGGAGGAACCCGCAAGAAGCGGCACGAGCGTCTCTTC
 CACCGGCAGGATGCGCTGTGGATCAGTACCAGCAGCGCAGGCACCGGGGTGCGGAGCCCCCGCGCTGT
 CCCC GGCTCCGGCCAGTCCGGCTCGCCCGTCTCCCCGGTCCGGGCCGCGGACTGTCCCTATGGGCCGC
 CCCTCCGGGACCCCCGCTCTCCGGGGGGTGGAGCCGGACTCAAAGCCGGGAGGCGCCCCCTTCTCTCC
 CGGCGCCCTCTACTCAGCAGCCCGAGCTGGGGGGTCCGGAACCTGAAGGCCGGACGGGTGGCGGAGTCC
 CGGGCTCGTCTCCCGCATCCTGGCACCAGTCCGGAAGGCTCAAGGTGGCGCTCCTCCACCTGCTCC
 CAAGCCTTTCAAGACCGTGACCACTAGTGGAGCCAAAGCCGGCGGGGCAAGGGCCGAGGCAGCCGCTG
 TCATGGCCGAAAGCGAGGGCAAACCCAGGGTCAAGGGTCAAAGAGCACCGCCGGGACTGGAGCTTCTG
 CCGTGCAGCCGGCGGGGAGGGAGCGCTGCAGTACGACCTTGGTGGGGTCCGGGCTGGGCTGGAAC
 CAGAGGGAAGTTGTCCCTCGGAAAGCAAGAGTAAGACCTTGGACAATAGTGACTTACACCCAGGACCC
 AGTGCCGGCTCTCTCCGCTCACCGTGCCAGCAATCCCAGTTCAGCCACTTCTGTCACTGCCACCTCCA
 CGCAGCCCTCGGGCTGCACCCCTATCACTCTGGAGCCACCAGCTCCAGGGCTGAAAAGGGGCGGGGA
 GGGCGGCCGAGCGTCCACTCGTGACCGCAAGATGCTCAAGTTTATCAGCGGTATCTTACCAAGAGCACA
 GGAGGGCTCCTGGTCCAGGGCCCTTCCCGACCCCAAGGCTTGTCTTCCAGCAGCGGGTCCAGGGAGC
 TGCTGGGAGCAGAACTACGCACCTCCCCTAAGGCTGTGGTTAATAGCCAGGAATGGACTTTGAGCCGATC
 AATTCCCGAACTGCGCTGGGTGTCTGGGTGATGTCAGGAGTGGGAAGTCGTCCTCATCCATAGATTC
 CTCACGGTTTCATACCAGGTGCTGGAGAAGATTGAGAGTGAAGTACAAGAAGGAGATGCTAGTGGATG
 GGACAGCCATCTGGTGTGATCCGGGAGGAAGCAGGGGACCCGATGCCAAGTTCTCAGGCTGGGCAGA
 TGCTGTGATCTTCTGCTTCCAGCTGGAGGATGAGAGCAGCTTCCAGGCTGTGAGCCGCTCCATGGCAG
 CTGAGCTCCCTCCGGGGGAGGGGCGAGGAGGTCTGGCCCTGGCTCTGGTTGGGACCAAGACAGGATCA



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GTGCATCATCTCCTCGAGTGGTGGGTGATGCTCGAGCCAGGGCTCTGTGCACGGACATGAAGCGCTGTAG
 CTAACGAGACCTGCGCAACCTATGGGCTCAATGTGGACCGGGTCTCCAGGAGGTGGCCAGAAGGTG
 GTGACCTTGCGCAAAACAACAACCTCTGGCTGCTTGCAAATCCCTGCCTAGCTCGCAAGCCATTGAG
 CTGCATCTACTCTGTAGCTGGGCGAGGTAGTAACGGGGGCCACACTAGCGACTACTCTTCTCCCTCCC
 ATCCTCACCAACGTTGGACACCGGGAGCTCCGAGCTGAGGCAGCTGCGGTGGCTGGGTTGAGTACCCCA
 GGGTCTTACACAGAGCAGCCAAGCGGGGAGACCAACAGGGAGTGGCGAGCCATCCCCATCAAACAGAGCTTCT
 GCTAAAACGAAGTGGCAATTCTTGAACAAAGAATGGAAGAAGAAATATGTGACCTTGCCAGCAATGGC
 TTTCTACTCTACCACCCAGCATTAACTGACTACATCCACAGTACACATGGCAAAGAGATGGACTTGTAC
 GAACAACGGTCAAAGTCCAGGCAAGCGGCCCAAGGGCTATCTCTGCTTTCGGCCCTCAGCCAGCAT
 CAACGGGTTGGTCAAGGATATGAGCACCGTCCAGATGGGTGAAGGCCCTGAAGCCTCTACTCCCATGCCA
 AGCCCCAGCCCTAGCCCCAGTTCCTGACAGCTTCCAACAGACCAGACATCCAAGCACCTCTGAAGCCAG
 ACCGGAATTTGGCCCGTGCCTTAGCACCGACTGTACCCATCTGGAGATCTGAGTCCCCTGAGTCGGGA
 ACCCCACCTTCGCCATGGTGAAGAAGCAGAGGAGGAAGAACTGTCCACGCCTCTAAGACTGAAGGC
 TCGGCTGTGAAGCTGAAGCCAAGCGCAAATGTGAAACTAAAATCCTTTGGTAGTTTAAAGAAATATTT
 ATAAAGCAGAGGAAAACCTTTGAGTTCCTGATCGTGTCCAGCACTGGTCAGACGTGGCACTTTGAGGCAGC
 CAGCTTTGAGGAGCGGGATGCTTGGGTTAGGCCATTGAGAGTCAGATCCTGGCCAGTCTGCAGTGTGT
 GAGAGCAGCAAGGTCAAGCTGCGCACTGACAGCCAAAGCGAAGCTGTGGCCATCCAGGCGATCCGCAACG
 CAAAGGGAAAACCTGACCTGTGTGGACTGTGGAGCTCCCAACCCACGTGGGCCAGTTTGAATCTGGGCGC
 ACTCATCTGCATCGAGTGTCTGGCATCCACCGAACCTGGGCACACACCTGTCCCAGTGCCTTCACTG
 GATTTGGATGACTGGCCGCGGGAGCTGACCCTGGTGTGACGGCCATTGGCAACGACACAGCCAACCGCG
 TGTGGGAGAGCGACACTCGAGGCCGTCCAAGCCTACACGGGACTCTTCGCGGGAGGAGCGTGAGTCGTG
 GATTCGCGCCAAGTATGAGCAGCTGCTTCTTGGCGCCTCTGGGCACCACGGAGGAGCCGTGGGCCG
 CAACTGTGGGCCGCTGTGGAGGCCAGGACGTGGCCGCGCTTCTGCTGCTTCTGGCCACGCGCGACATG
 GGCCGCTCGACACCAGCGTGGAGGACCCGAGCTCCGCTCGCCGCTGCACTTGGCGGCGAGCTCGCCCA
 CGTTGTATTACACAGCTGCTGTTGTGGTATGGCGCAGACGTGGCGGCCCGCGATGCGCAAGGCCGACG
 GCACTGTTCTATGCCCGCCAGGCTGGCAGCCAGCTGTGTGACAGACATCCTTCTCCAGCACGGCTGCCCG
 GAGAGGGCGGCAGCACGGCCACCACGCCAGCGCGCCACCACCCACGATTACCGCCACGCCAGCCAGCC
 GAGGCGCCGAGCAGTGTGCCAGCTTGGGCCGCTGGACACCACGATCGCGCTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033263
- 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).
- 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_001033263.5](#), [NP_001028435.1](#)

RefSeq Size: 5645 bp

RefSeq ORF: 3561 bp

Locus ID: 216439

UniProt ID: [Q3UHD9](#)

Cytogenetics: 10 D3

Gene Summary: The protein encoded by this gene is a member of the centaurin GTPase family. This gene product regulates the activity of multiple kinases, including PI3K. Reduced expression of this gene results in multiple defects, including neural deficiencies, while increased expression of this gene has been observed in some tumors. Alternative splicing results in multiple protein isoforms. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.