

Product datasheet for MC202783

Gap43 (NM_008083) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gap43 (NM_008083) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gap43
Synonyms: B-50; Basp2; GAP-43
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC080758 sequence for NM_008083
GGGGGAATAAGGAAGAGAGAGGAGAAAGGAGAGAAGGCAGGAAGAAGGCAGGGGAAGATACCACCATGCTG
TGCTGTATGAGAAGAACCAACAGGTTGAAAAGAATGATGAGGACCAAAAGATTGAACAAGATGGTGTCA
AGCCGGAAGATAAGGCTCATAAGGCTGCGACCAAATTCAGGCTAGCTTCCGTGGACACATAACAAGGAA
AAAGCTCAAAGGCGAGAAGAAGGGTGATGCACCAAGCTGCTGAGGCCGAGGCCAAGGAGAAGGATGATGCT
CCCCTTGTGATGGTGTGGAGAAGAAGGAGGGAGATGGCTCTGCTACTACCGATGCAGCCCCAGCCACCA
GCCCAAGGCTGAGGAGCCAGCAAGGCAGGAGATGCACCTTCTGAGGAGAAGAAGGGTGAAGGGGATGC
GGCCCCCTCCGAGGAAAAGGCCGGCTCAGCGGAGACAGAAAGTGTGCTAAAGCTACCACTGATAACTCC
CCGTCTCCAAGGCTGAAGATGGCCAGCCAAGGAGGAGCCTAAACAAGCCGATGTGCTGCTGCTGTCA
CTGATGCTGCTGCCACCACCCCTGCTGCAGAGGATGCTGCCACCAAGGCAGCGCAGCCTCCAACGGAGAC
TGCAGAAAGCAGCCAAGCTGAGGAGGAGAAAGACGCTGTAGACGAAGCCAAACCTAAGGAAAGTGCCCGA
CAGGATGAGGGTAAAGAAGACCCGAGGCTGACCAAGAACATGCCTGAACCTTAAGAAATGGCTTTCCAC
GTTGCCCCACCTGAACCCTGTCTCCTGCCCTTCTCAGCTCCACTCTGAAGTTTCTCTCCTGTCTGCTG
CTCACGTGTGTGAGCCTGTCTCTCCTACCTATGAGCCCTCTCTCTGTGTGGCAAACATTTAAAGAAA
AAAAAAAAGCAGGAAAGATCCCAAGTCCAACAGTGTGGCTTAAACATTTGTTTCTTGGTGTGTTATGGC
GAGTTTTTGGTAATGATGATGCAGTCATCTTGGGAAATCTTGCAGTGTACCCCGGTTTTTGTCTGGT
GCGTGTGGCCCTGTGGGAGTCCACTTCTCTCTATTTCTCTGTTCCAAGTGTGTGTGCAATGTTCC
CGTTCTGAGGAGTCCAAAATATTAAGTGAATTCAAAACCATTCTGTTTCTCATTTCATGTGATGG
AATGAACAAAAAGGTTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_008083
Insert Size: 684 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC080758](#), [AAH80758](#)

RefSeq Size: 1222 bp

RefSeq ORF: 684 bp

Locus ID: 14432

UniProt ID: [P06837](#)

Cytogenetics: 16 28.37 cM

Gene Summary: This protein is associated with nerve growth. It is a major component of the motile "growth cones" that form the tips of elongating axons. Plays a role in axonal and dendritic filopodia induction.[UniProtKB/Swiss-Prot Function]