

## Product datasheet for **SC325693**

### GAP43 (NM\_001130064) Human Untagged Clone

#### Product data:

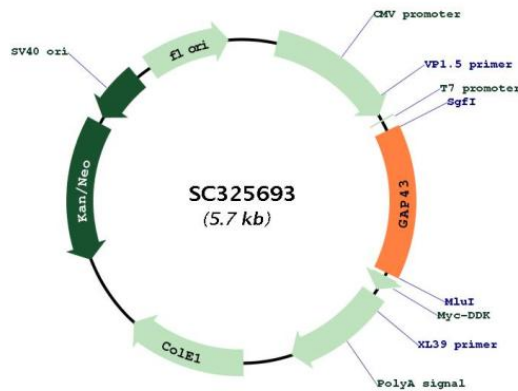
Product Type:	Expression Plasmids
Product Name:	GAP43 (NM_001130064) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAP43
Synonyms:	B-50; GAP-43; PP46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325693 representing NM_001130064. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAAAGTCTGCTCTGAATTATGCCACCCCGCACTCCACTTTTTACCTTGCCTGGGAGGCTTGAGG
AAAAATCTTCAGAGAGCAGTTCGACCTAGTCCTTATTCACCTTGGCTTCTTGACTTCTGGATTTCAAGG
GTTGAAAAAATGATGACGACCAAAAGATTGAACAAGATGGTATCAAACCAGAAGATAAAGCTCATAAG
GCCGCAACCAAAATTCAGGCTAGCTTCCGTGGACACATAACAAGGAAAAAGCTCAAAGGAGAGAAGAAG
GATGATGTCCAAGCTGCTGAGGCTGAAGCTAATAAGAAGGATGAAGCCCTGTTGCCGATGGGTGGAG
AAGAAGGGAGAAGGCACCACTACTGCCGAAGCAGCCCCAGCCACTGGCTCCAAGCCTGATGAGCCCGGC
AAAGCAGGAGAACTCCTCCGAGGAGAAGAAGGGGGAGGGTGTGCTGCCACAGAGCAGGCAGCCCCC
CAGGCTCCTGCATCCTCAGAGGAGAAGGCCGGCTCAGCTGAGACAGAAAGTGCCACTAAAGCTTCCACT
GATAACTCGCCGTCTCCAAGGCTGAAGATGCCCCAGCCAAGGAGGAGCCTAAACAAGCCGATGTGCCT
GCTGCTGTCACTGCTGCTGCTGCCACCACCCTGCCGAGAGGATGCTGCTGCCAAGGCAACAGCCAG
CCTCCAACGGAGACTGGGGAGAGCAGCCAAGCTGAAGAGAACATAGAAGCTGTAGATGAAACCAACCT
AAGGAAAGTGCCCGGCAGGACGAGGGTAAAGAAGAGGAACCTGAGGCTGACCAAGAACATGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001130064

**Insert Size:** 825 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001130064.1](#)

**RefSeq Size:** 2143 bp

RefSeq ORF: 825 bp

Locus ID: 2596

UniProt ID: [P17677](#)

Cytogenetics: 3q13.31

MW: 28.8 kDa

**Gene Summary:** The protein encoded by this gene has been termed a 'growth' or 'plasticity' protein because it is expressed at high levels in neuronal growth cones during development and axonal regeneration. This protein is considered a crucial component of an effective regenerative response in the nervous system. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (1) encodes the longer isoform (1).