

Product datasheet for RC203175

GAP43 (NM_002045) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAP43 (NM_002045) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAP43
Synonyms:	B-50; GAP-43; PP46
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC203175 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTGCTGTATGAGAAGAACCAACAGGTTGAAAAAATGATGACGACCAAAAGATTGAACAAGATG
GTATCAAACCAGAAGATAAAGCTCATAAGGCCGCAACCAAAATTCAGGCTAGCTTCGGTGGACACATAAC
AAGGAAAAGCTCAAAGGAGAGAAGAAGGATGATGTCCAAGCTGCTGAGGCTGAAGCTAATAAGAAGGAT
GAAGCCCCGTTGCCGATGGGGTGGAGAAGAAGGAGAAGGCACCACTACTGCCGAAGCAGCCCCAGCCA
CTGGCTCCAAGCCTGATGAGCCCGCAAAGCAGGAGAACTCCTTCCGAGGAGAAGAAGGGGGAGGGTGA
TGCTGCCACAGAGCAGGCAGCCCCCAGGCTCCTGCATCCTCAGAGGAGAAGGCCGGCTCAGCTGAGACA
GAAAGTGCCACTAAAGCTTCCACTGATAACTCGCCGTCCTCCAAGGCTGAAGATGCCCCAGCCAAGGAGG
AGCCTAAACAAGCCGATGTGCCTGCTGCTGCTCACTGCTGCTGCCACCACCCCTGCCGCAGAGGATGC
TGCTGCCAAGGCAACAGCCAGCCTCCAACGGAGACTGGGGAGAGCAGCCAAGCTGAAGAGAACATAGAA
GCTGTAGATGAAACCAACCTAAGGAAAGTGCCCGGCAGGACGAGGGTAAAGAAGAGGAACCTGAGGCTG
ACCAAGAACATGCC

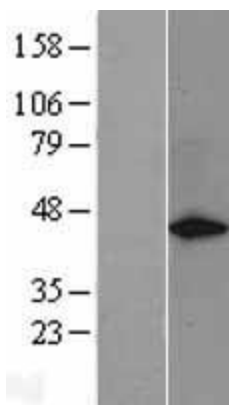
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



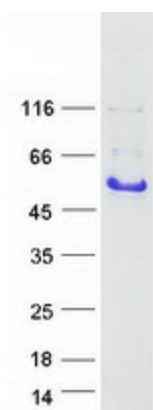
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ORF Size:	714 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. 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.
RefSeq:	NM_002045.4
RefSeq Size:	1747 bp
RefSeq ORF:	717 bp
Locus ID:	2596
Domains:	IQ
MW:	24.8 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]

Product images:



Western blot validation of overexpression lysate (Cat# [LY400750]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203175 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GAP43 protein (Cat# [TP303175]). The protein was produced from HEK293T cells transfected with GAP43 cDNA clone (Cat# RC203175) using MegaTran 2.0 (Cat# [TT210002]).