

Product datasheet for **MR205970**

Gabpb1 (NM_207669) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabpb1 (NM_207669) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabpb1
Synonyms:	BABPB2; E4TF1; E4TF1-47; E4TF1-53; E4Tf1B; GABPB; GABPB-1; GABPB-2; GABPB1-1; GABPB1-2; NRF2B1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR205970 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTGGTAGATTTGGGAAGAAGCTTTTAGAAGCGGCACGACCGGTCAAGATGATGAAGTTCGCA
 TTTTGATGGCAAATGGAGCTCCTTTTACTACAGACTGGTTGGAACTTCTCCACTTCATCTGGCCGCACA
 GTATGGGCATTTCTCTACCACAGAGGTTCTTCTCCGAGCCGGTGAAGTAGAGATGCCAGGACCAAAGTG
 GACCGGACACCACTGCACATGGCGGCTTCTGAGGGCCATGCCAACATAGTAGAAGTTTTGCTTAAGCATG
 GTGCTGACGTCATGCAAAGGATATGTTAAAGATGACAGCTCTGCATTGGGCAACAGAACATAATCATCA
 AGAGGTGGTGGAGCTTTAATCAAATATGGTGTGATGTACACACGCAGAGTAAATTTTGTAAAAGTCA
 TTTGATATTTCAATAGACAATGGAAATGAAGATTTAGCAGAGATATTACAGATTGCTATGCAGAACAAA
 TCAACACCAACCCGGAGAGTCTGACACTGTGACAATACAGCTGCCACACCACAGTTCATCATTGGACC
 CGGAGGGTGGTGAACCTCACAGATGAAACAGGAGTATCTGCTGTTCAGTTTGGAACTCCTCTACGTCA
 GTATTAGCTACGTTAGCTGCCTTAGCTGAAGCTTCTGCCCATTTGTTCAATTCTTCAAGAACTCCAGTAG
 TGGCCACAGAGGAAGTGGTTACCGCAGAATCTGTGGATGGTGAATTCAGCAAGTAGTTAGCTCAGGGGG
 TCAGCAAGTATCAGCATAGTTACAGATGGAATCCAGCTGGGGAATTTGCACTCCATACCAACAGTGGG
 ATGGGTACGCCATCATTGTGACGATGCCCGATGGACAGCAAGTATTGACAGTACCAGCAACAGACATTG
 CTGAAGAACTGTATCAGTGAAGAGCCACCAGCTAAGAGACAGTGTATGGAAATAATTGAGAGCCGGGT
 GGAATGTGCAGAAATTGAAGAGAGAGAAGCGCTTCAGAAACAGCTGGATGAAGCCAACCGAGAGGCCAG
 AAATACCGACAGCAGCTGCTTAAGAAGGAGCAGGAGGCAGAGGCCCTACAGGCAGAAGCTGGAGGCCATGA
 CACGCATCCAGACCAACAAAGAAGCCGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR205970 protein sequence
 Red=Cloning site Green=Tags(s)

MSLVDLGKLLAARAGQDDEVRI L MANGAPFTD DLGTSPLHLAAQYGHFSTTEVLLRAGVSRDARTKV
 DRTPHMAASEGHANIVEVLLKHGADVNAKMLKMTALHWATEHNNHQEVVELLIKYGADVHTQSKFCKTA
 FDISIDNGNEDLAEILQIAMQNQINTNPESPDVTIHAATPQFIIGPGGVVNLDETGVSAVQFGNSSTS
 VLATLAALAEASAPLSNSSETPVVATEEVVTAESVDGAIQQVVSSGGQQVITIVTDGIQLGNLHSIPTSG
 MGQPIIVTMPDGGQVLVTPATDIAEETVISEEPPAKRQCMEIIESRVECAEIEEREALQKQLDEANREAQ
 KYRQQLLKKEQEAAYRQKLEAMTRIQTNKEAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_207669

ORF Size: 1152 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.

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_207669.1](#), [NM_207669.2](#), [NP_997552.1](#)

RefSeq Size: 2709 bp

RefSeq ORF: 1149 bp

Locus ID: 14391

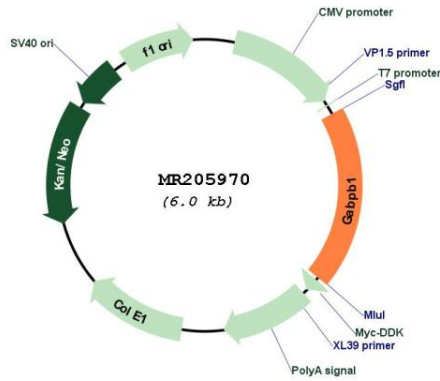
UniProt ID: [Q00420](#)

Cytogenetics: 2 61.76 cM

MW: 41.4 kDa

Gene Summary: Transcription factor capable of interacting with purine rich repeats (GA repeats).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205970