

Product datasheet for **MR229620**

Gabpb1 (NM_001271467) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Gabpb1 (NM_001271467) 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:

>MR229620 representing NM_001271467
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGGTAGATTTGGGAAGAAGCTTTTAGAAGCGGCACGAGCCGGTCAAGATGATGAAGTTCGCA
 TTTTGATGGCAAATGGAGCTCCTTTTACTACAGACTGGTTGGAACTTCTCCACTTCATCTGGCCGCACA
 GTATGGGCATTTCTCTACCACAGAGGTTCTTCTCCGAGCCGGTGAAGTAGAGATGCCAGGACCAAAGTG
 GACCGGACACCACTGCACATGGCGGCTTCTGAGGGCCATGCCAACATAGTAGAAGTTTTGCTTAAGCATG
 GTGCTGACGTCATGCAAAGGATATGTTAAAGATGACAGCTCTGCATTGGCAACAGAACATAATCATCA
 AGAGGTGGTGGAGCTTTAATCAAATATGGTGTGATGTACACACGCAGAGTAAATTTTGTAAAAGTCA
 TTTGATATTTCAATAGACAATGGAAATGAAGATTTAGCAGAGATATTACAGATTGCTATGCAGAACAAA
 TCAACACCAACCCGGAGAGTCTGACACTGTGACAATACACGCTGCCACACCACAGTTCATCATTGGACC
 CGGAGGGTGGTGAACCTCACAGATGAAACAGGAGTATCTGCTGTTCAAGTTTGGAACTCCTCTACGTCA
 GTATTAGCTACGTTAGCTGCCTTAGCTGAAGCTTCTGCCCATTTGTTCAATTTCTCAGAACTCCAGTGG
 CCACAGAGGAAGTGGTTACCGCAGAATCTGTGGATGGTGAATTCAGCAAGTAGTTAGCTCAGGGGGTCA
 GCAAGTCATCACGATAGTTACAGATGGAATCCAGCTGGGGAATTTGCACTCCATACCAACCAAGTGGGATG
 GGTGAGCCATCATTGTGACGATGCCCGATGGACAGCAAGTATTGACAGTACCAGCAACAGACATTGCTG
 AAGAACTGTGATCAGTGAAGAGCCACCAGCTAAGAGACAGTGTATGAAATAATTGAGAGCCGGGTGGA
 ATGTGCAGAAATTGAAGAGAGAGAAGCGCTTACAGAAACAGCTGGATGAAGCAACCGAGAGGCCAGAAA
 TACCGACAGCAGCTGCTTAAGAAGGAGCAGGAGGCAGAGGCCCTACAGGCAGAAGCTGGAGGCCATGACAC
 GCATCCAGACCAACAAAGAAGCCGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229620 representing NM_001271467
 Red=Cloning site Green=Tags(s)

MSLVDLGKLLAARAGQDDEVRI LMANGAPFTTDWLGT SPLHLAAQYGHFSTTEVLLRAGVSRDARTKV
 DRTPHMAASEGHANIVEVLLKHGADVNAKMLKMTALHWATEHNNHQEVVELLIKYGADVHTQSKFCKTA
 FDISIDNGNEDLAEILQIAMQNQINTNPESPDVTIHAATPQFIIGPGVVNLDETGVSAVQFGNSSTS
 VLATLAALAEASAPLSNSSETPVATEEVVTAESVDGAIQQVVSSGGQVITIVTDGIQLGNLHSIPTSGM
 GQPIIVTMPDGGQVLTVPATDIAEETVISEPPAKRQCMEIIESRVECAEIEEREALQQLDEANREAQK
 YRQQLLKKEQAEAYRQKLEAMTRIQTNKEAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001271467

ORF Size: 1146 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_001271467.1](#), [NP_001258396.1](#)

RefSeq Size: 2807 bp

RefSeq ORF: 1149 bp

Locus ID: 14391

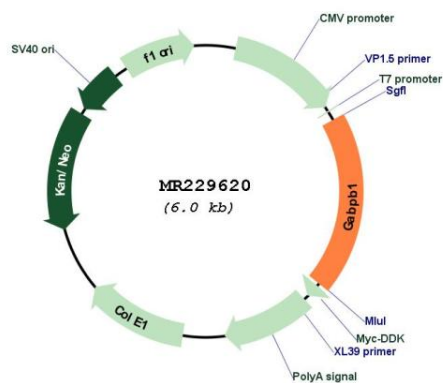
UniProt ID: [Q00420](#)

Cytogenetics: 2 61.76 cM

MW: 41.3 kDa

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

Product images:



Circular map for MR229620