

Product datasheet for MR229783

Gabpb2 (NM_029885) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabpb2 (NM_029885) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabpb2
Synonyms:	1810015F01Rik; 5830427M07; 9430006E19Rik; A430024B14Rik; AV050852; Gabpb2-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229783 representing NM_029885 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCTGGTGGACTTGGGGAAGAGGCTGCTAGAAGCTGCAAGGAAAGGCCAAGACGATGAAGTGAGGA
CACTGATGGCAAATGGGGCTCCATTCACCACAGACTGGCTCGGAACATCACCGCTTCACCTTGCAGCCCA
GTATGGTCATTATCCACAGCAGAAGTGTCTTCGAGCTGGCGTTAGCAGGGATGCCCGGACCAAAGTG
GACAGGACCCCTTGCATATGGCTGCAGCTGATGGACATGTTACATCGTGGAACTGCTTGTAGGAGTG
GTGCAGATGTGAACGCAAAGGACATGCTGCAGATGACAGCTCTGCACTGGCCACAGAGCACCATCACCG
GGATGTCGTCGAGTTACTTATCAAATATGGAGCTGATGTCTACGCTTTTAGCAAATTTGATAAGTCTGCC
TTTGACATAGCAATGGAGAAAAACAATACTGAGATTTTGGTCATGCTTCAGGAAGCAATGCAGAATCAGG
TGAACACTAACCCAGAGAGGCAACCCAGTGGCTAACCTGTGACTGTGACTGTCCGTTTCATCTTTCAC
CTCTGGAGAGGTCATTAACTCGCTAGCTTTGTCTCTTCAGCCAAACCAAAGCAACCTCAGCTCATTTA
GAAGAAATGGAAGAAGGAAATCTCTTGACTCCTCGACCCAGCAAGTGGTGGGGAGTGGAGGCCAGAGGG
TCATCACCATCGTACTGATGGAGTCCCTCTGGGTAACATCCAACATCACTCCCTGTGGAGGCATTGG
CCAGCCATTTATTGTAAGATGAAGAAGAGGAAGAAGAGAAATGCCATTGGTGAAGAGCAAGGATGGCAG
GAGACAATAATTGAAGATGAAGAAGAGGAAGAAGAGAAATGCCATTGGTGAAGAGCAAGGATGGCAG
AGATGACAAACAGGGTTGAGGAAATGAAGGAAGGCAAGTGAAGAGAGCTACTGCAGCAACAGCTCCAGGA
GGCCAACCGAAGAGCCAGGAGTACAGACACCAGCTCCTCAAGAAAGAGCAGGAGCCGAGCAGTATCGG
CTCAGGCTGGAGGCTATGGCTCAGCAGCAGACCAACGGAGTTGAAGTTGATGTCACCGTAGTTGAGGAAG
TAGCTGAAGTGGATGCTGTAGTGGTGACAGAAGGGGACGAGGTAGAAAGAGCAACACAAGTCATGAAGTC
AGGAAGGACCACGGAGCCTCACACTAACGTTTCCATAGAACTATTTTCATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229783 representing NM_029885
Red=Cloning site Green=Tags(s)

MSLVDLGKRLLEAARKGQDDEVRTL MANGAPFTD DLGT SPLHLAAQYGHYSTAEVLLRAGVSRDARTKV
 DRTP LHM AADGHVHIV ELLVRSGADVN AKDMLQMTALHWATEHHHRDVVELLIKYGADVYAFSKFDKSA
 FDIAMEKN NTEILVMLQEAMQNQVNTNHERANPVANPVTVTAPFIFTSGEVINLASFVSSANTKATSAHL
 EEMEEGNSLDSSTQQVVGSGGQRVITIVTDGVPLGNIQTS L P A G G I G P F I V T M Q D G Q Q V L T V P A G Q V A E
 ETIIIEDEEEEEK L P L V K R P R M A E M T N R V E E M K E G S E R E L L Q Q Q L Q E A N R R A Q E Y R H Q L L K K E Q E A E Q Y R
 L R L E A M A Q Q T N G V E V D V T V V E E V A E V D A V V V T E G D E V E R A T Q V M K S G R T T E P H T N V S I E T I S S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029885

ORF Size: 1242 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_029885.1](#), [NP_084161.1](#)

RefSeq Size: 8703 bp

RefSeq ORF: 1245 bp

Locus ID: 213054

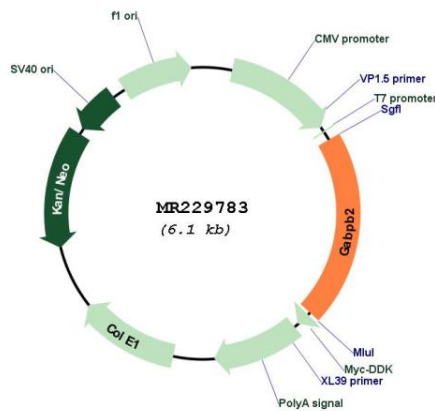
UniProt ID: [P81069](#)

Cytogenetics: 3 40.74 cM

MW: 45.7 kDa

Gene Summary: Transcription factor capable of interacting with purine rich repeats (GA repeats). Must associate with GABP-alpha to bind DNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229783