

Product datasheet for **MG221716**

Gabpb1 (NM_010249) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabpb1 (NM_010249) Mouse Tagged ORF Clone
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221716 representing NM_010249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCGTAGATTTGGGAAGAAGCTTTTAGAAGCGGCACGAGCCGGTCAAGATGATGAAGTTCGCA
TTTTGATGGCAAATGGAGCTCCTTTACTACAGACTGGTTGGAACTTCTCCACTTCATCTGGCCGACA
GTATGGGCATTTCTCTACCACAGAGGTTCTTCTCCGAGCCGGTGAAGTAGAGATGCCAGGACCAAAGTG
GACCGGACACCACTGCACATGGCGGCTTCTGAGGGCCATGCCAACATAGTAGAAGTTTTGCTTAAGCATG
GTGCTGACGTCAATGCAAAGGATATGTTAAAGATGACAGCTCTGCATTGGCAACAGAACAATCATCA
AGAGGTGGTGGAGCTTTAATCAAATATGGTGCTGATGTACACACGCAGAGTAAATTTGTAAGAACTGCA
TTTGATATTTCAATAGACAATGGAAATGAAGATTTAGCAGAGATATTACAGATTGCTATGCAGAACCAA
TCAACACCAACCCGGAGAGTCTGACACTGTGACAATACAGCTGCCACACCACAGTTTCATCATTGGACC
CGGAGGGTGGTGAACCTCACAGATGAAACAGGAGTATCTGCTGTTCAAGTTTGGAAACTCCTCTACGTCA
GTATTAGCTACGTTAGCTGCCTTAGCTGAAGCTTCTGCCCATTTGTTCCAATTTCTCAGAACTCCAGTAG
TGGCCACAGAGGAAGTGGTTACCGCAGAATCTGTGGATGGTGCAATTCAGCAAGTAGTTAGCTCAGGGGG
TCAGCAAGTCAACAGATAGTTACAGATGGAATCCAGCTGGGGAATTTGCACTCCATACCAACCAGTGGG
ATGGGTACAGCCATCATTGTGACGATGCCCGATGGACAGCAAGTATTGACAGTACCAGCAACAGACATTG
CTGAAGAACTGTCATCAGTGAAGAGCCACCAGCTAAGAGACAGTGTATGGAAATAATTGAGAGCCGGGT
GGAATGTGCAGAAATTGAAGTAAGGAGCCTTATACCCGGTGTGTTTGTGCAGCCATCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221716 representing NM_010249
 Red=Cloning site Green=Tags(s)

MSLVLDLGKLLAARAGQDDEVRI LMANGAPFTTDWLGT SPLHLAAQYGHFSTTEVLLRAGVSRDARTKV
 DRTP LHM AASEGHANIVEVLLKHGADVNAK DMLKMTALHWATEH NHQEVVELLIKYGADVHTQSKFCKTA
 FDISIDNGNEDLAEILQIAMQNQINTNPESPDTVTIHAATPQFIIGPGGVNLTDETGVS AVQFGNSSTS
 VLATLAALAEASAPLSNSSETPVVATEEVVTAESVDGAIQQVVSSGGQQVITIVTDGIQLGNLHSIPTSG
 MGQPIIVTMPDGQQLTVPATDIAEETVISEEPPAKRQCEIIESRVECAEIEVRS LIIPGVFCCSHPK

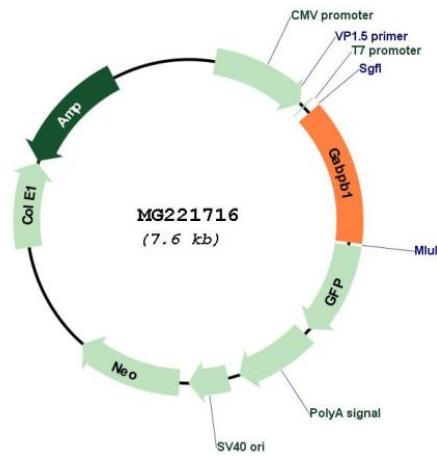
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010249

ORF Size:	1044 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:	<ol style="list-style-type: none">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_010249.2 , NP_034379.1
RefSeq Size:	1456 bp
RefSeq ORF:	1047 bp
Locus ID:	14391
UniProt ID:	Q00420
Cytogenetics:	2 61.76 cM
Gene Summary:	Transcription factor capable of interacting with purine rich repeats (GA repeats). [UniProtKB/Swiss-Prot Function]