

Product datasheet for **RG205763**

GABPB2 (NM_144618) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABPB2 (NM_144618) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GABPB2
Synonyms:	GABPB-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205763 representing NM_144618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTCTTTGGTGGACTTGGGAAAGAGTTGCTAGAACGACGAAGAAAAGCCAAGATGATGAAGTGAGAA
 CGTTGATGGCAAATGGCGCCCATTCACCACAGACTGGCTTGAACATCACCCCTCCACCTTGACGCTCA
 ATATGGTCATTATTCCACAGCAGAAGTACTCCTTCGAGCAGGTGTAGCAGGGATGCCCGGACTAAAGTA
 GACAGGACCCCTTGACATGGCTGCAGCCGATGGACATGCGCACATCGTGGAAGTCTTGTTCGGAATG
 GTGCAGATGTGAATGCCAAGGACATGCTGAAGATGACAGCTTTGCATTGGCCACAGAGCGCCACCATCG
 AGATGTCGTAGAGTTACTTATCAAATATGGAGCTGATGTCATGCTTTCAGCAAATTTGATAAATCAGCC
 TTTGACATAGCTCGGAGAAAAACAATGCTGAGATTTTGGTCATCCTCCAGGAAGCAATGCAGAATCAGG
 TGAATGTTAATCCAGAGAGACCAACCCTGTGACTGACCTGTGAGTATGGCTGCTCCATTCATCTTAC
 GTCGGGTGAGGTTGTTAACCTCGCAAGCCTTATTTCTTCAACCAACACCAAAAACAACCTCAGGTGACCC
 CATGCCTCAACAGTACAGTTTTCAAATCTACCACCTCAGTGCTGGCTACCTTGACGCTTTGCTGAGG
 CATCAGTCCCCCTCTCCAACCTCACACAGAGCCACAGCCAATACAGAGGAAATTATAGAAGGAAATCCGT
 TGACTCATCAATCCAGCAAGTAATGGGGAGTGGAGGCCAGAGGGTCATCACCATAGTGACTGATGGAGTC
 CCTCTGGGTAATATCCAACTTCAATCCCTACTGGAGGCATTGGCCAGCCATTTATTGTAAGTGTGCAAG
 ATGGACAGCAAGTTCTAACTGTACCTGCTGGTAAGGTTGCAGAGGAGACTGTAATTAAGAGGAAGAAGA
 AGAGAAGTTGCCACTAACAAAGAAACCAAGGATAGGAGAGAAGACAAACAGTGTGGAGGAAAGCAAGGAA
 GGCAATGAAAGAGAGCTACTACAGCAACAACCTCCAGGAGGCCAATCGAAGAGCCAGGAATACCGACACC
 AGCTCCTAAAGAAAGAGCAGGAAGCAGAACAGTACCGTCTTAAGCTGGAGGCCATAGCCCGACAGCAGCC
 CAATGGAGTTGATTTACCATGGTTGAAGAGGTGGCTGAGGTAGATGCTGTAGTAGTACACAGAGGGGAG
 TTGGAAGAGAGAGACAAAAGTACTGGGTCAGCAGGGACCACAGGCCTCACACTAGAGTTTCCATGG
 CAACTGTTTCATCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205763 representing NM_144618
 Red=Cloning site Green=Tags(s)

MSLVDLGKRLLEAARKGQDDEVRTL MANGAPFTD DLGTSPLHLAAQYGHYSTAEVLLRAGVSRDARTKV
 DRTPLMHMAADGHAHIVELLVRNGADVNAKDKMLKMTALHWATERHHRDVVELLIKYGADVHAFSKFDKSA
 FDIALEKNNAEILVILQEAMQNQVNVNPERANPVTDPVSMAPFIFTSGEVVNLASLISSTNTKTTSGDP
 HASTVQFSNSTTSLATLAALAEASVPLNSHRATANTEEIEGNSVDSSIQQVMGSGGQRVITIVTDGV
 PLGNIQTSIPTGGIGQPFIVTVQDQQVLTVPAGKVAEETVIKEEEEEKPLTKKPRIGEKTNSVEESKE
 GNERELLQQQLQEANRRAQEYRHQLLKEQEAEQYRLKLEAIARQPNGVDFTMVEEVAEVDVAVVTEGE
 LEERETKVTGSAGTTEPHTRVSMATVSS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_144618.3</u>
RefSeq Size:	3356 bp
RefSeq ORF:	1347 bp
Locus ID:	126626
UniProt ID:	<u>Q8TAK5</u>
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
Gene Summary:	May function as transcription factor capable of interacting with purine rich repeats (GA repeats).[UniProtKB/Swiss-Prot Function]