OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC205763

GABPB2 (NM_144618) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABPB2 (NM_144618) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GABPB2
Synonyms:	GABPB-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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ORF Nucleotide Sequence:

>RC205763 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTTTGGTGGACTTGGGAAAGAGGTTGCTAGAAGCAGCAAGAAAAGGCCAAGATGATGAAGTGAGAA
CGTTGATGGCAAATGGCGCCCCATTCACCACAGACTGGCTTGGAACATCACCCCTCCACCTTGCAGCTCA
ATATGGTCATTATTCCACAGCAGAAGTACTCCTTCGAGCAGGTGTTAGCAGGGATGCCCGGACTAAAGTA
GACAGGACCCCCTTGCACATGGCTGCAGCCGATGGACATGCGCACATCGTGGAACTGCTTGTTCGGAATG
GTGCAGATGTGAATGCCAAGGACATGCTGAAGATGACAGCTTTGCATTGGGCCACAGAGCGCCACCATCG
AGATGTCGTAGAGTTACTTATCAAATATGGAGCTGATGTCCATGCTTTCAGCAAATTTGATAAATCAGCC
TTTGACATAGCTCTGGAGAAAAACAATGCTGAGATTTTGGTCATCCTCCAGGAAGCAATGCAGAATCAGG
TGAATGTTAATCCAGAGAGAGCCAACCCTGTGACTGACCCTGTGAGTATGGCTGCTCCATTCATCTTCAC
GTCGGGTGAGGTTGTTAACCTCGCAAGCCTTATTTCTTCAACCAACACCAAAACAACCTCAGGTGACCCC
CATGCCTCAACAGTACAGTTTTCAAATTCTACCACCTCAGTGCTGGCTACCCTTGCAGCTCTTGCTGAGG
CATCAGTCCCCCTCTCCAACTCACACAGAGCCACAGCCAATACAGAGGAAATTATAGAAGGAAATTCCGT
TGACTCATCAATCCAGCAAGTAATGGGGAGTGGAGGCCAGAGGGTCATCACCATAGTGACTGATGGAGTC
CCTCTGGGTAATATCCAAACTTCAATCCCTACTGGAGGCATTGGCCAGCCATTTATTGTAACTGTGCAAG
ATGGACAGCAAGTTCTAACTGTACCTGCTGGTAAGGTTGCAGAGGAGACTGTAATTAAAGAGGAAGAAGA
AGAGAAGTTGCCACTAACAAAGAAACCAAGGATAGGAGAGAAGACAAACAGTGTGGAGGAAAGCAAGGAA
GGCAATGAAAGAGAGCTACTACAGCAACAACTCCAGGAGGCCAATCGAAGAGCCCAGGAATACCGACACC
AGCTCCTAAAGAAAGAGCAGGAAGCAGAACAGTACCGTCTTAAGCTGGAGGCCATAGCCCGACAGCAGCC
CAATGGAGTTGATTTCACCATGGTTGAAGAGGTGGCTGAGGTAGATGCTGTAGTAGTCACAGAGGGGGAG
TTGGAAGAGAGAGAGACAAAAGTGACTGGGTCAGCAGGGACCACAGAGCCTCACACTAGAGTTTCCATGG
CAACTGTTTCATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205763 protein sequence
Red=Cloning site Green=Tags(s)

MSLVDLGKRLLEAARKGQDDEVRTLMANGAPFTTDWLGTSPLHLAAQYGHYSTAEVLLRAGVSRDARTKV
DRTPLHMAAADGHAHIVELLVRNGADVNAKDMLKMTALHWATERHHRDVVELLIKYGADVHAFSKFDKSA
FDIALEKNNAEILVILQEAMQNQVNVNPERANPVTDPVSMAAPFIFTSGEVVNLASLISSTNTKTTSGDP
HASTVQFSNSTTSVLATLAALAEASVPLSNSHRATANTEEIIEGNSVDSSIQQVMGSGGQRVITIVTDGV
PLGNIQTSIPTGGIGQPFIVTVQDGQQVLTVPAGKVAEETVIKEEEEEKLPLTKKPRIGEKTNSVEESKE
GNERELLQQQLQEANRRAQEYRHQLLKKEQEAEQYRLKLEAIARQQPNGVDFTMVEEVAEVDAVVVTEGE
LEERETKVTGSAGTTEPHTRVSMATVSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6521_b03.zip

Restriction Sites: SgfI-MluI

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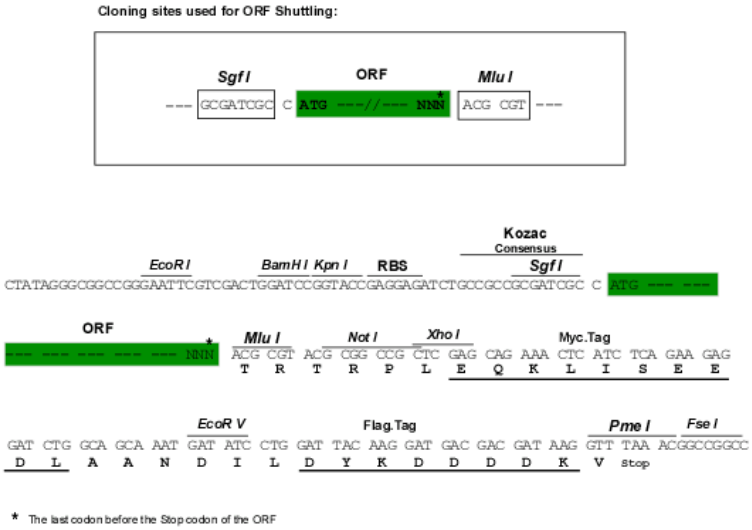
Cloning Scheme:



ACCN: NM_144618

ORF Size: 1344 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_144618.3

RefSeq Size: 1953 bp

RefSeq ORF: 1347 bp

Locus ID: 126626

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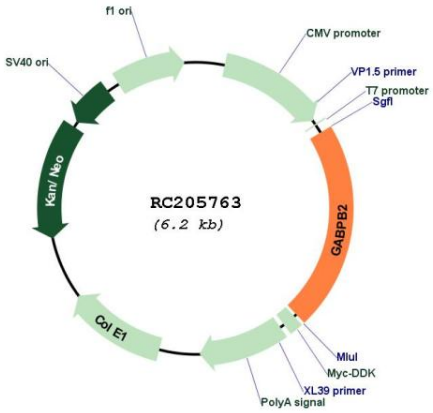
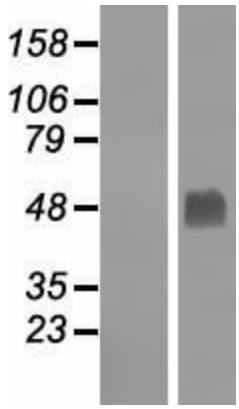
UniProt ID:	Q8TAK5
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
MW:	48.6 kDa
Gene Summary:	May function as transcription factor capable of interacting with purine rich repeats (GA repeats).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205763



Western blot validation of overexpression lysate (Cat# [LY408253]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205763 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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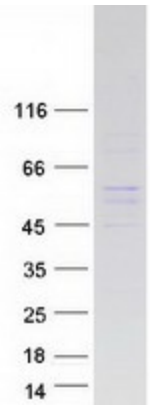

Coomassie blue staining of purified GABPB2 protein (Cat# [TP305763]). The protein was produced from HEK293T cells transfected with GABPB2 cDNA clone (Cat# RC205763) using MegaTran 2.0 (Cat# [TT210002]).

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