

Product datasheet for **RG220933**

BPOZ (ABTB1) (NM_172027) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BPOZ (ABTB1) (NM_172027) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABTB1
Synonyms:	BPOZ; BTB3; BTBD21; EF1ABP; PP2259
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220933 representing NM_172027
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACCAGCGACCTGTTCCGCCAGCTGCAGGAAGGGGATGTGGGCCGAGTGGGTACCTGCTGGAGC
 AGCGAGACGTGGAGGTGAATGTGCGGGACAAGTGGGACAGCACCCCTTGTACTATGCTCTGTTGTGTGG
 GCACGAGGAGCTGGTACTCTACCTTCTGGCCAATGGAGCCCGCTGCGAGGCCAACACCTTCGATGGTGAG
 CGCTGCCTCTATGGGGCACTGAGTGACCCCATCCGCCGGGCTCTACGCGATTACAAGCAGGTACCGGCTT
 CCTGCAGGAGGCGGGATTACTATGACGACTTCTTGCAGCGGCTTCTAGAGCAGGGCATCCACAGTGACGT
 GGTCTTTGTAGTACACGGGAAGCCATTCGGGTGCATCGTGCCTCCTGGGTGCACGTAGTGCCTACTTT
 GCCAACATGCTGGACACCAATGGAAGGGCAAGAGTGTCTGTTCTCAGGCACCCACTGATCAACCCCG
 TGGCCTTTGGGGCCTGCTGCAGTACCTGTACACAGGCCCGCTGGACATTGGCGTAGAGCATGTGAGTGA
 CTGTGAGCGCCTGGCCAAGCAATGCCAGCTGTGGGACCTGCTCAGCGACCTGGAGGCCAAGTGCAGAGAAG
 GTGTCTGAGTTTGTGGCGTCTAAGCCAGGCACGTGTGAAGGTGCTGACCATCGAGCCCCACCTGCAG
 ACCCCCGCTCCGGGAGGACATGGCGCTGCTGGCCGATTGTGCCCTGCCCCCGAGCTCCGAGGTGATCT
 TTGGGAGCTGCCCTTCCCTTGTCTGACGGCTTCAACAGCTGCCCTGACATCTGCTTCCGAGTGGCTGGC
 TGCAGTTCCTCTGCCACAAGGCCTTTTCTGTGGCCGACGTACTTCCGAGCCCTGCTGGATGACC
 ACTTCCGAGAGAGCGAGGAGCCAGCGACCTCAGGGGGCCCCCAGCCGTACCCTGCATGGCATCTCACC
 CGACGTCTTCACTACGTGCTCTACTACATGTACACGACCACTGAGCTGTCCCCGAGGCAGCCTAT
 GATGTGCTGAGCGTCGCCGACATGTACCTGCTGCCAGCCCTGAAGAGGCTGTGCGGCCGACCTGGCTC
 AGATGCTAGACGAGGACACTGTGGTGGTGTGTGGCGCTGGCCAAGCTTCCGCTGGCCGCGCTTGA
 GGACAGTGCACTGAGTACATGGCCAAGGTCATTGAGAAGCTGGTGGAGCGGGAGGACTTCGTGGAGGCG
 GTGAAGGAGGAGGACGCGCTGTGGCAGCCGGCAGGAGACGGACTCTATCCCGCTGGTGGACGACATCC
 GCTTCCACGTGGCCAGCACGGTGCAGACCTACAGCGCCATAGAGGAGGCGCAGCAGCTCTGCGGGCACT
 CGAGGACCTGCTCGTGTCCATCGGTCTGGACTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220933 representing NM_172027
 Red=Cloning site Green=Tags(s)

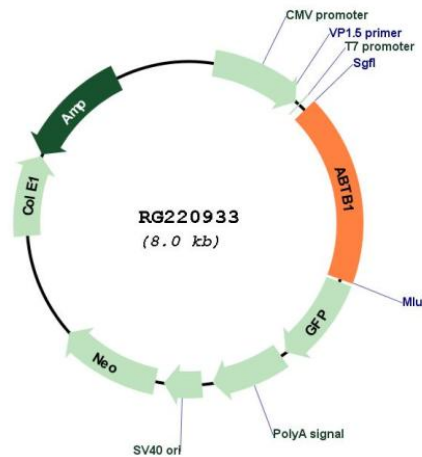
MDTSDLFASCRKGDVGRVRYLLEQRDVEVNRDKWDSTPLYYACLCGHEELVLYLLANGARCEANTFDGE
 RCLY GALSDPIRRALRDYKQVTASCRRRDYDDFLQRLLEQGIHSDVVFVHGKPFVRHRCVLGARSAYF
 ANMLDTKWKGSVVVLRHPLINPVAFGALLQYL YTGRLDIGVEHVSDCERLAKQCQLWDL LSDLEAKCEK
 VSEFVASKPGTCVKVLTIEPPPADPRLREDMALLADCALPPELRGDLWELPFPCPDGFNSCPDICFRVAG
 CSFLCHKAFFCGRSDYFRALLDDHFRESEEPATSGGPPAVTLHGISPDPVFTHVLYMYSDHTELSPEAAY
 DVL SVADMYLLPGLKRLCGRSLAQMLDEDTVVGVWRVAKLFRLARLEDQCTEYMAKVIEKLVVEREDFVEA
 VKEEAAAVAARQETDSIPLVDDIRFHVASTVQTYSAIEEAQQRLRALEDLLVSI GLDC

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_172027

ORF Size: 1434 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_172027.3](#)

RefSeq Size: 1986 bp

RefSeq ORF: 1437 bp

Locus ID: 80325

UniProt ID: [Q969K4](#)

Cytogenetics: 3q21.3

Domains: BTB, ANK

Gene Summary: This gene encodes a protein with an ankyrin repeat region and two BTB/POZ domains, which are thought to be involved in protein-protein interactions. Expression of this gene is activated by the phosphatase and tensin homolog, a tumor suppressor. Alternate splicing results in three transcript variants. [provided by RefSeq, Mar 2010]