

Product datasheet for **RG221474**

ZBTB7C (NM_001039360) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB7C (NM_001039360) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZBTB7C
Synonyms:	APM-1; APM1; ZBTB36; ZNF857C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221474 representing NM_001039360
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAATGACATTGATGAGCTCATTGGCATTCCCTTCCCCAACACAGCAGTGAGGTCCTGTGCAGCC
 TCAATGAGCAACGGCACGATGGCCTGCTGTGTGACGTGCTCCTGGTGGTGCAGGAGCAGGAGTATCGGAC
 CCACCGCTCCGTCTGGCTGCCTGCAGCAAGTACTTCAAGAAGCTTTTCACAGCCGGCACCTAGCCAGC
 CAGCCCTACGTCTATGAGATCGACTTTGTCCAGCCTGAGGCTCTGGCTGCTATCCTGGAGTTCGCCTACA
 CCTCCACGCTCACCATCACCCTGGCAATGTCAAGCACATCCTCAACGCAGCCAGGATGCTGGAGATCCA
 GTGCATCGTGAACGTGTGCTGGAGATCATGGAGCCTGGGGGGGACGGGGGGGAGGAGGATGACAAGGAG
 GACGATGACGACGACGAAGATGATGATGATGAGGAGGACGAAGAGGAGGAGGAGGAAGAGGAGGAGGATG
 ACGATGATGACACGGAGGACTTTGCTGACCAAGAAAATTGCCTGACCCCAAGGACATCAGTGCCACCA
 AAGCCCTTCCAAGACAGACCATCTCACAGAGAAGGCCTATTGACACACCCCAAGGACTTCCTGACTCC
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 ACCTGTACCCCAAGGCCAACATCCCGACAGGAGACCCCTCCTTGTCTCCATTGCCCCGACTTCTTTCC
 ACACCTCTGGCCAGGGGACTTCGGTGCCTTTGCCAGCTGCCTGAGCAGCCCATGGACAGTGGGCCACTG
 GATCTGGTCATCAAGAATCGGAAGATCAAGGAGGAGGAGAAGGAGGAGCTGCCCCACCCCAAGGCCAC
 CCTTCCCTAATGACTTCTTCAAGGACATGTTCCCTGACCTGCCGGGGGGGCTCTGGGACCCATCAAGGC
 GGAGAACGACTACGGTGCCTATCTCAACTTCTGAGTGCCACCCACCTGGGAGGCCTTCTCCACCTGG
 CCCCTGGTAGAAGAGCGCAAGCTGAAGCCCAAGGCCTCTCAGCAGTGCCCATCTGCCACAAAGTCATCA
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 CTGTGCATCCACTGCAACGCCAAGTTCTGTGCACTACGACCTCAAGAACCACATGCGCATCCACACGG
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 CAAGCGCCAGAGCTGCCGATGGCAGCGCCCGACGCGGCCGCAAGCCTGCTGCTGGAGGGCGCCAGC
 CTGCTCTTGGGGCCGGCGGCCCGGCCGACAAGGCGGCTTCTGTGATGCCCCCTGCGCTGGGCGAGG
 TGGGCGGCCACCTGGGCGGCGCAGCTGTGTGCTCCCGGCCCGACGCCCGCAAGCACTTCTGGCAGC
 GCCCAAGGGCGCCCTGAGCCTGCAAGAGCTGGAGCGGAGTTCGAGGAGACACAGATGAAGCTGTTCCGG
 CGCGCGCAGCTGGAGGCTGAGAGGAACGCGGGGGGCTCTGGCCTTCGCGCTGGCCGAGAAGCTGGCGG
 CGGCGCGGCCCTACTTCCGCTGCCGACCTTGGGCGCGGCCCTGGCGGCCTCCCTGGGCTCGCCGG
 CCTCAACCACGTGGCCTCCATGTCCGAAGCCAACAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

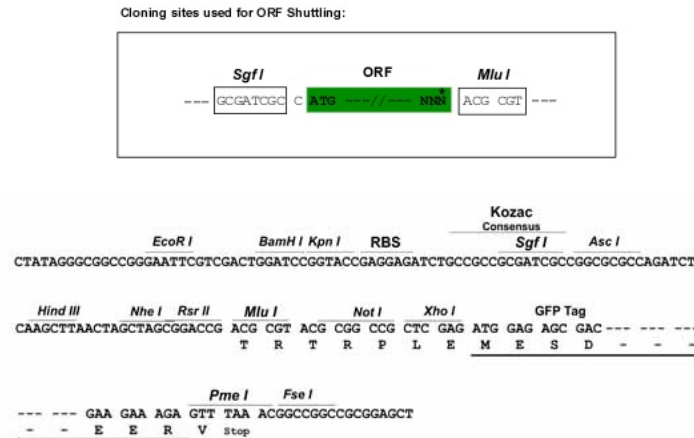
>RG221474 representing NM_001039360
 Red=Cloning site Green=Tags(s)

MANDIDELIGIPFNHSSEVLCSLNEQRHDGLLCDVLLVVQEQEYRTHRSVLAACSKYFKKLFTAGTLAS
 QPYVVEIDFVQPEALAAILEFAYTSTLTITAGNVKHILNAARMLEIQCI NVNVCLEIMEPGDGGEEDDKE
 DDDDDDDDDDEEEEEEEEEEDDDDTEDFADQENLPDPQDISCHQSPSKTDHLTEKAYSDTPRDFPDS
 FQAGSPGHLGVIRDFSIESLLRENLYPKANIPDRRPSLSPFAPDFPHLWPGDFGAFALPEQPMDSGPL
 DLVIKNRKIKKEEKEELPPPPPPFPNDFFKDMFPDLPGGPLGPIKAENDYGAYLNFLSATHLGLFPFW
 PLVEERKLKPKASQQCPICHKIVIMGAGKLP RHMRTHTGEKPYMCTICEVRFTQDKLKIHM RKHTGERPY
 LCIHNAKFVHNYDLKNHMRHTGVRPYQCEFCYKSFTSRDHLHRHIKRQSCRMARPRGRKPAAWRAAS
 LLFGPGGPAPDKAAFVMPALGEVGGHLGGAAVCLPGSPAKHFLAAPKALSLQELERQFEETQMKLFG
 RAQLEAERNAGLLAFALAENVAARPYFPLPDPWAAGLAGLPGLAGLNHVASMSEANN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001039360

ORF Size: 1857 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_001039360.3](#)

RefSeq Size: 3774 bp

RefSeq ORF: 1860 bp

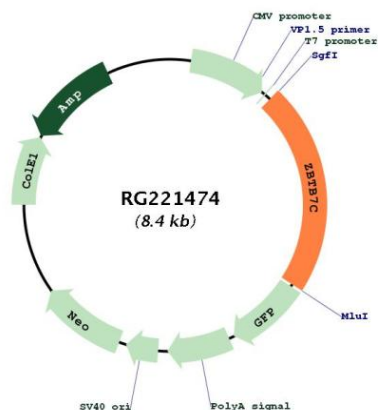
Locus ID: 201501

UniProt ID: [A1YPR0](#)

Cytogenetics: 18q21.1

Gene Summary: May be a tumor suppressor gene.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221474