

Product datasheet for **RG214144**

ZBTB39 (NM_014830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZBTB39
Synonyms:	ZNF922
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214144 representing NM_014830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCATGAGGATCAAACCTGCAAAGCACCAACCAACCCCAACAACCTGCTGAAGGAAGTCAACAAGTGCC
 GGCTCTCAGAGACCATGTGCGACGTCAACATTGTGGTGGGAGCCGCTCCTTCCCGGCCACAAGGCTGT
 GCTGGCCTGTGCGAGCTGGCTACTTCCAGAACCTTCTCTGAATACTGGGCTTGATGCTGCCAGGACCTAT
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 CACTCTGGTACCCTGAGTTGTCTTGGCAGAACCTGCCCATCCCCTTGGAGAAGTCCGAGGTGGTGGGG
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 GTTCTAGAGCCCAACATTCAACTGATCCGGCAGCATGCTCGGGACCATGTGGACCTGCTGACGGGCAACT
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 AAGCCATACCAATGAAGGTGTGCCACAAGTTCTTTCGAGGCCGCTCGACCATCAAGTGCCACCTAAAGA
 CACACTCGGGGGCCCTCATGTACCGCTGCACAGTCTGTGGGCACTACAGTTCACCCCTTAACCTCATGAG
 CAAACATGTTGGTGTGCACAAAGGACGCTCCCCCTGACTTCACCATCGAGCAGACCTTCATGTACATC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

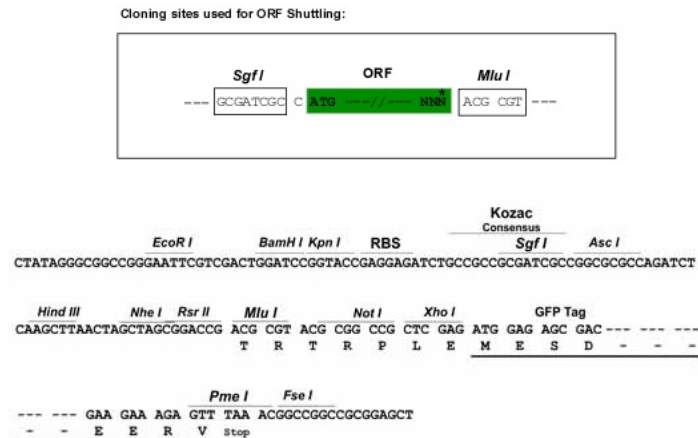
Protein Sequence: >RG214144 representing NM_014830
 Red=Cloning site Green=Tags(s)

MGMRIKLQSTNHPNLLKELNKCRLSETMCDVTIVVGSRSFPAHKAVLACAAGYFQNLFLNTGLDAARTY
 VVDFITPANFEKVL SFVYTSELFTDLINVGVIYEVAERLGMEDLLQACHSTFPDLESTARAKPLTSTSES
 HSGTLCSPSAEPAHPLGELRGGDYLGADRNYVLPDAGGSYKEEKNVANDANHSLLHPQPPPPPKTE
 DHDTAPFTSIPSMMTQPLLGTSTGIQTSTSSQPYKVQSNQDFSKNSFLTPDNAVDITGTNSCLSNS
 EHSKDPGFGQMDLQLEDLGDDDLQFEDPAEDIGTTEEVIELSDSEDELAFGENDNRENKAMPQVCKK
 VLEPNQLIRQHARDHVDLLTGNCVKCETHFQDRNSRVTHVLSHIGIFLFSDCMCETKFFFTQWQLTHRR
 DGI FENNII VHPNDPLPGKLGFSGAASPELKCAACGKVLAKDFHVRGHILDHLNLKGQACSVCDQRHL
 NLCSLMWHTLSHLGISVFSVCANSFVDWHLLEKMAVHQSLDALFHCRLCSQSFKSEAARYHYVSQH
 KCNSGLDARPGFGLQHPALQKRKLPAEEFLGEELALQGQPGNSKYSCKVCGKRFAHTSEFNHYHRIHTGE
 KPYQCKVCHKFFRGRSTIKCHLKTSHGALMYRCTVCGHYSSTLNLMSKHVGVHKGSLPPDFTIEQTFMYI
 IHSKEADKNPDS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014830

ORF Size: 2136 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:

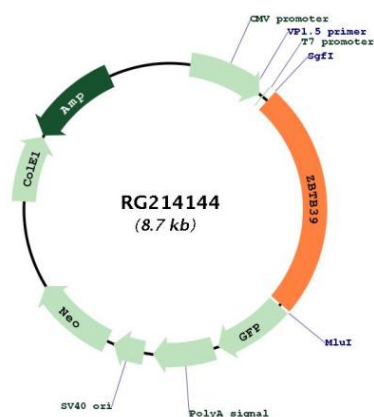
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_014830.1](#), [NP_055645.1](#)

RefSeq Size:	6170 bp
RefSeq ORF:	2139 bp
Locus ID:	9880
UniProt ID:	Q15060
Cytogenetics:	12q13.3
Domains:	BTB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214144