

Product datasheet for **RG200839**

ZBTB37 (NM_032522) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZBTB37
Synonyms:	D430004I08Rik; ZNF908
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG200839 representing NM_032522
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAGGTGGGAACATACAATTGGAGATTCTGACTTCAGCAACTCTGTCTGAGCCATCTAAACC
AGTTGCGCATGCAGGGCCGTCTCTGTGATATTGTGGTCAATGTGCAAGGACAAGCTTTTCGGGCTCACA
AGTGGTGTGGCTGCCAGCTCCCCCTATTTCCGGGATCACATGTCCTTGAATGAGATGAGTACAGTCTCC
ATTTCACTCATCAAGAACCCTACTGTTTTGAACAGCTCCTTTCTTTCTGTTACACAGGGCGGATATGCC
TGCAACTGGCAGATATCATCAGCTACCTAACAGCTGCCAGTTTCTGCAATGCAGCATATTATAGACAA
ATGTACACAGATCTGGAGGGCATTCAATTTCAAAATTAATGTGGCTGAGGTTGAAGCAGAATTAAGTCAA
ACAAGGACAAAGCATCAAGAGAGACCTCCAGAGTCTCACAGGGTTACACCAATCTCAACCGCTCCCTTA
GCCACGACATAATACCCAAAGGGAACCGGCGAGGTCAGGTTAGTGTGTGCTGGATATCAGAGAGCT
AAGTCCTCCTGAGGAGTCCACAGCCCTCAGATCATTGAACCAAGTTCTGATGTAGAGAGCCGGGAGCCC
ATTCTTCGGATCAACCGAGCAGGACAGTGGTATGTGGAGACAGGAGTGGCGGACCGTGGGGTTCGGAGTG
ATGATGAAGTTAGAGTTCTTGGAGCAGTACACATCAAACTGAAATCTGGAGGAGTGGCTTGGGCTGA
GAATCAGCCTTCTGGAGAAGATGGGAGTAGTGACAGGAAGTAACAGCCATGGTGATTGATACACAGGC
CATGGTTCTGTAGGACAGGAAATTACTTTAGGGTCTTCAGGAGCAAGGTGGCTCGGCCAACAAAGCA
GTGAAGTTGACAGATTTAGCCCTCCGGCAGTGTGTTCCCTTGACAGAGAGACACAGAGCCAGAAGTGA
GTCTCTGGGAGAATGGATGAGCCTAAGCAACCCAGCTCCAGGTATGGAGTTGTGGATTTAGAAGTCT
TTGGTGGTTGGAGGAATTGCTACTGTGTATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



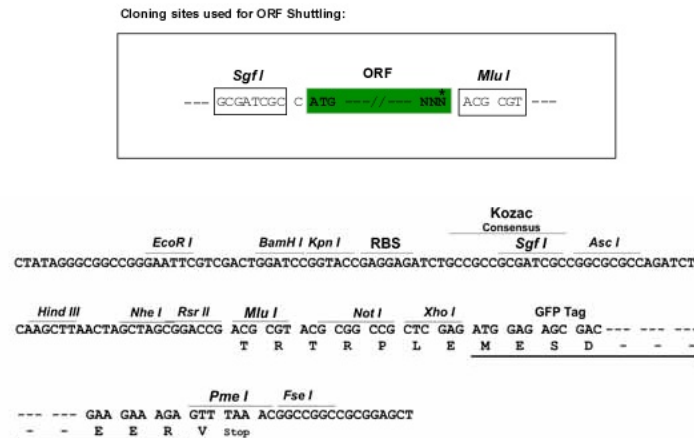
Protein Sequence: >RG200839 representing NM_032522
Red=Cloning site Green=Tags(s)

MEKGGNIQLEIPDFSNSVL.SHLNQLRMQGRLCDIVVNVQQAFAHKVVLAASSPYFRDHMSLNEMSTVS
ISVIKNPTVFEQLLSFCYTGRICLQLADIISYLAASFLQMQUIIDKCTQILEGIHFKINVAEVEAELSQ
TRTKHQERPPESHRVTPNLNRSLSPRHNTPKGNRRGQVSAVLDIRELSPPEESTSPQIIEPSSDVESREP
ILRINRAGQWYVETGVADRGGRSDDEVRLGAVHIKTENLEEWLGPENQPSGEDGSSAEVETAMVIDTTG
HGSVGQENYTLGSSGAKVARPTSSEVDRFSPSGSVVPLTERHRARSESPGRMDEPKQPSQVWSCGFRTA
LVVGGIATVYE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032522

ORF Size: 1083 bp

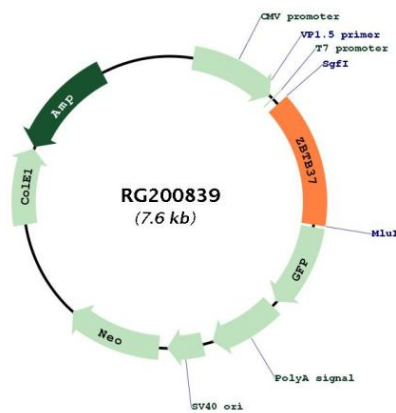
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_032522.5</u>
RefSeq Size:	1347 bp
RefSeq ORF:	1086 bp
Locus ID:	84614
UniProt ID:	<u>Q5TC79</u>
Cytogenetics:	1q25.1
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200839