

Product datasheet for **RG224846**

ZNF238 (ZBTB18) (NM_205768) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF238 (ZBTB18) (NM_205768) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF238
Synonyms:	C2H2-171; MRD22; RP58; TAZ-1; ZNF238
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224846 representing NM_205768
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGTCCTAAAGGTTATGAAGACAGTATGGAGTTCCAGACCATAGTAGACATTTGCTACAGTGTCTGA
 GCGAGCAGAGACACAGGGTTTTCTTTGTGACTGCACTGTTCTGGTGGGAGATGCCAGTTCCGAGCGCA
 CCGAGCTGTACTGGCTTCATGCAGCATGTATTTCCACATCTTTTACAAGGACCAGCTGGACAAAAGAGAC
 ATTGTTTACATGAACAGCGACATTGTTACAGCCCCGCTTTGCTCTCCTGCTTGAATTCATGTATGAAG
 GGAAACTCCAGTCAAAGACTTGCCCATGAAGACGTGCTAGCAGCTGCCAGTTATCTCCACATGTATGA
 CATTGTCAAAGTCTGAAAAAGAAAGCTGAAAGAGAAAGCCACCAGGAGGCAGACAGCACCACAAAAGGAA
 GAAGATGCTTCAAGTTGTTGCGACAAAGTCGAGAGTCTCTCCGATGGCAGCAGCCACATAGCAGGCGATT
 TGCCCACTGATGAAGATGAAGGAGAAGATGAAAAATTGAACATCTGCCAGCAAAAGGGACTTGCGCGC
 CGAGCCTGGGAACATGTGGATGCGATTGCCCTCAGACTCAGCAGGCATCCCCAGGCTGGCGGAGAGGCA
 GAGCCACACGCCACAGCAGCTGGAACAAAGTAGCCAGCCCTGCAGCTCAACAGAGTCTTTGTCCAGAG
 GGTCTGTACCTCCGTGAGGGATTGCGCAGATGTTGACTGTGTGCTGGACCTGTCTGTCAAGTCCAGCCT
 TTCAGGAGTTGAAATCTGAACAGCTCTTATTTCTCTTACAGGACGTGCTGAGAAGCAACCTGGTGCAG
 GTGAAGGTGGAGAAAGAGGCTTCTGTGATGAGAGTGTGTTGGCACTAATGACTATGACATGGAACATA
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 GGAGGACTCGGTCTTGAGGGAGCTGGACCGGGAGGACAAAGCCAGTGTATGAGATGATGACCCAGAG
 AGCGAGCGTGTCCAGGTGGAGGGAGGCATGGAGAGCAGTCTGCTCCCCTACGTCTCCAACATCCTGAGCC
 CCGCGGGCCAGATCTTCATGTGCCCCCTGTGCAACAAGTCTTCCCAGCCCCACATCCTGCAGATCCA
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 GGTGCACACCCGCGAGAAGCCGACGCCTGCAAGTGGTGCAGCGCAGGTTACGCAGTCCGGGGACCTG
 TACAGACACATTCGAAGTTCCTACTGTGAGTTGGTGAACCTCTTGTGGTCAAAGCGAAGCACTGAGCT
 TGCTACTGTGAGAGCTGGACCTAGAAGATAGCTCTCAAGAACTTTGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

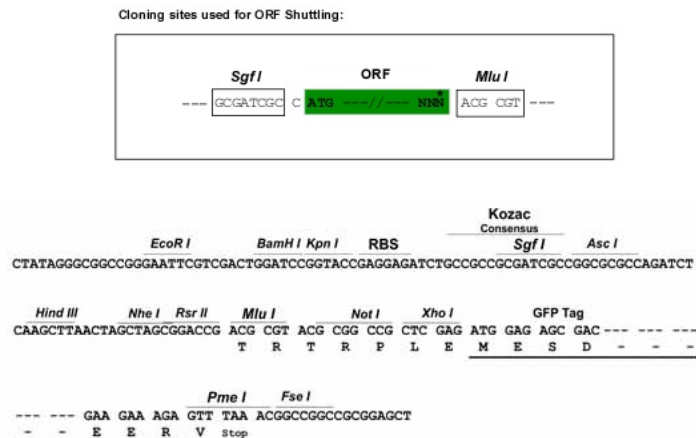
>RG224846 representing NM_205768
 Red=Cloning site Green=Tags(s)

MCPKGYEDSMEFPDHSRHLQLCLSEQRHQGFLCDCTVLVGDAQFRAHRAVLASCSMYFHIFYKDLQDKRD
 IVHLNSDIVTAPAFALLLEFMYEGKLQFKDLPIEDVLAASYLHMYDIVKVCCKKLKEKATTEADSTKKE
 EDASSCDKVESLSDGSSHIAGDLPSEDEGEDEKLNILPSKRDLAAEPGNMWMRLPSDSAGIPQAGGEA
 EPHATAAGKTVASPCSSTESLSQRSVTSVRDSADVDCVLDLSVKSSLSGVENLNSSYFSSQDVLRSNLVQ
 VKVEKEASCDSDVGTNDYDMEHSTVKESVSTNNRVQYEPAPHLAPLREDSVLRELDREDKASDDEMTPPE
 SERVQVEGGMESLLPYVSNILSPAGQIFMCPLCNKVFPSPHILQIHLSTHFREQDGIRSKPAADVNPPT
 CSLCGKTFSCMYTLKRHERTHSKEPYTCTQCGKSFQYSHNLSRHAVVHTREKPHACKWCERRFTQSGDL
 YRHIRKFHCELVNSLSVKSEALSLPTVRDWTLEDSSQELWK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_205768

ORF Size: 1593 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_205768.1](#), [NP_991331.1](#)

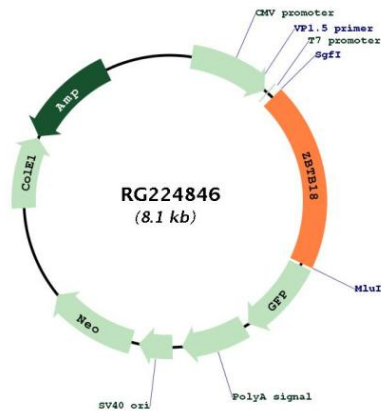
RefSeq Size: 3898 bp

RefSeq ORF: 1596 bp

Locus ID: 10472

UniProt ID:	<u>Q99592</u>
Cytogenetics:	1q44
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a C2H2-type zinc finger protein which acts a transcriptional repressor of genes involved in neuronal development. The encoded protein recognizes a specific sequence motif and recruits components of chromatin to target genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Product images:



Circular map for RG224846