

Product datasheet for **RG206278**

ZNF238 (ZBTB18) (NM_006352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF238 (ZBTB18) (NM_006352) 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:

>RG206278 representing NM_006352
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTCCTAAAGTTATGAAGACAGTATGGAGTTCCAGACCATAGTAGACATTTGCTACAGTGTCTGA
 GCGAGCAGAGACACCAGGTTTTCTTTGTGACTGCACTGTTCTGGTGGGAGATGCCAGTTCCGAGCGCA
 CCGAGCTGTACTGGCTTCATGCAGCATGTATTTCCACATCTTTTACAAGGACCAGCTGGACAAAAGAGAC
 ATTGTTTACTGAACAGCGACATTGTTACAGCCCCGCTTTCGCTCTCCTGCTTGAATTCATGTATGAAG
 GAAACTCCAGTCAAAGACTTGCCATTGAAGACGTGCTAGCAGCTGCCAGTTATCTCCACATGTATGA
 CATTGTCAAAGTCTGAAAAAGAAGCTGAAAGAGAAAGCCACCACGGAGGCAGACAGCACCAAAAAGGAA
 GAAGATGCTTCAAGTTGTTGGACAAAGTCGAGAGTCTCTCCGATGGCAGCAGCCACATAGCAGGCGATT
 TGCCAGTGATGAAGATGAAGGAGAAGATGAAAAATTGAACATCTGCCAGCAAAGGGACTTGCGCGC
 CGAGCCTGGGAACATGTGGATGCGATTGCCCTCAGACTCAGCAGGCATCCCCAGGCTGGCGGAGAGGCA
 GAGCCACACGCCACAGCAGCTGAAAAACAGTAGCCAGCCCTGCAGCTCAACAGAGTCTTTGTCCAGAG
 GGTCTGTACCTCCGTGAGGGATTTCGGCAGATGTTGACTGTGTGCTGGACCTGTCTGTCAAGTCCAGCCT
 TTCAGGAGTTGAAAATCTGAACAGCTCTTATTTCTCTTACAGGACGTGCTGAGAAGCAACTGGTGCAG
 GTGAAGGTGGAGAAAGAGGCTTCTGTGATGAGAGTGTGTTGGCACTAATGACTATGACATGGAACATA
 GCACTGTGAAAGAAAGTGTGAGCACTAATAACAGGGTACAGTATGAGCCGGCCATCTGGCTCCCCTGAG
 GGAGGACTCGGTCTTGAGGGAGCTGGACCGGGAGGACAAAGCCAGTGTATGAGATGATGACCCAGAG
 AGCGCGGTGTCCAGGTGGAGGGAGGCATGGAGAGCAGTCTGCTCCCCTACGTCTCCAACATCCTGAGCC
 CCGCGGGCCAGATCTTTCATGTGCCCTGTGCAACAAGTCTTCCCAGCCCCACATCTGCAGATCCA
 CCTGAGCAGCACTTCCGCGAGCAGGACGCATCCGCGAGCAAGCCCGCCGCGATGTCAACGTGCCACG
 TGCTCGTGTGTGGGAAGACTTTCTCTTGCATGTACACCTCAAGCGCCACGAGAGGACTCACTCGGGGG
 AGAAGCCCTACACATGCACCCAGTGCAGCAAGAGCTTCCAGTACTCGCACAACTGAGCCGCATGCCGT
 GGTGCACACCCGCGAGAAGCCGACGCCTGCAAGTGGTGCAGCGCAGGTTACGCGAGTCCGGGGACCTG
 TACAGACACATTCGAAAGTTCCTACTGTGAGTTGGTGAACCTCTTGTGGTCAAAGCGAAGCACTGAGCT
 TGCTACTGTGAGACTGGACCTAGAAGATAGCTCTCAAGAACTTTGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206278 representing NM_006352
 Red=Cloning site Green=Tags(s)

MCPKGYEDSMEFPDHSRHLQLSEQRHQGFLCDCTVLVGDAQFRAHRAVLASCSMYFHIFYKDLQDKRD
 IVHLNSDIVTAPAFALLLEFMYEGKLQFKDLPIEDVLAASYLHMYDIVKVCKKLEKATTEADSTKKE
 EDASSCDKVESLSDGSSHIAGDLPSEDEGEDEKLNILPSKRDLAAEPGNMWMRLPSDSAGIPQAGGEA
 EPHATAAGKTVASPCSSSTESLSQRSVTSVRDSADVDCVLDL SVKSSL SGVENLNSSYFSSQDVLRSNLVQ
 VKVEKEASCDSDVGTNDYDMEHSTVKESVSTNNRVQYEPAPHLAPLREDSVLRELDREDKASDDEMTP
 SERVQVEGMESLLPYVSNILSPAGQIFMCPKCNKVFPSPHILQIHLSTHFREQDGIKSKPAADVNPVPT
 CSLCGKTFSCMYTLKRHERTHSKEPYTCTQCGKSFQYSHNLSRHAVVHTREKPHACKWCERRFTQSGDL
 YRHIRKFHCELVNSLSVKSEALSLPTVRDWTLEDSSQELWK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006352

ORF Size: 1566 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_006352.3](#), [NP_006343.2](#)

RefSeq Size: 4244 bp

RefSeq ORF: 1569 bp

Locus ID: 10472

UniProt ID: [Q99592](#)

Cytogenetics: 1q44

Domains: BTB, zf-C2H2

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 RG206278