

Product datasheet for **SC116140**

ZNF238 (ZBTB18) (NM_006352) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF238 (ZBTB18) (NM_006352) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF238
Synonyms:	C2H2-171; MRD22; RP58; TAZ-1; ZNF238
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116140 sequence for NM_006352 edited (data generated by NextGen Sequencing)

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ATGGAGTTTCCAGACCATAGTAGACATTTGCTACAGTGTCTGAGCGAGCAGAGACACCAGGGTTTTCTTT
GTGACTGCACTGTTCTGGTGGGAGATGCCAGTTCCGAGCGCACCAGCTGTACTGGCTTCATGCAGCAT
GTATTTCCACCTCTTTTACAAGGACCAGCTGGACAAAAGAGACATTGTTTCATCTGAACAGCGACATTGTT
ACAGCCCCCGCTTTCGCTCTCCTGCTTGAATTCATGTATGAAGGGAAACTCCAGTTCAAAGACTTGCCCA
TTGAAGACGTGCTAGCAGCTGCCAGTTATCTCCACATGTATGACATTGTCAAAGTCTGCAAAAAGAGCT
GAAAGAGAAAAGCCACCACGGAGGCAGACAGCACAAAAGGAAGAAGATGCTTCAAGTTGTTGCGACAAA
GTGCGAGAGTCTCTCCGATGGCAGCAGCCACATAGCAGGCGATTGCCCCAGTGATGAAGATGAAGGAGAAG
ATGAAAAATTGAACATCCTGCCAGCAAAAGGGACTTGGCGGCCGAGCCTGGGAACATGTGGATGCGATT
GCCCTCAGACTCAGCAGGCATCCCCAGGCTGGCGGAGAGGCAGAGCCACAGCCACAGCAGCTGGAAAA
ACAGTAGCCAGCCCTGCAGCTCAACAGAGTCTTTGTCCAGAGGTCTGTACCTCCGTGAGGGATTCCG
CAGATGTTGACTGTGTGCTGGACCTGTCTGCAAGTCCAGCCTTTCAGGAGTTGAAAATCTGAACAGCTC
TTATTTCTCTTACAGGACGTGCTGAGAAGCAACTGGTGCAGGTGAAGGTGGAGAAAGAGGCTTCTGT
GATGAGAGTGATGTTGGCACTAATGACTATGACATGGAACATAGCACTGTGAAAGAAAGTGTGAGCACTA
ATAACAGGGTACAGTATGAGCCGGCCCATCTGGCTCCCCTGAGGGAGGACTCGGTCTTGAGGGAGCTGGA
CCGGGAGGACAAAGCCAGTGATGATGAGATGATGACCCAGAGAGCGAGCGTGTCCAGGTGGAGGGAGGC
ATGGAGAGCAGTCTGCTCCCCTACGTCTCCAACATCCTGAGCCCCGCGGGCCAGATCTTCATGTGCCCCC
TGTGCAACAAGGTCTTCCCCAGCCCCACATCCTGCAGATCCACCTGAGCAGCAGCTTCCGCGAGCAGGA
CGGCATCCGACGAAGCCCGCCCGCATGTCAACGTGCCACGTGCTCGTGTGTGGGAAGACTTTCTCT
TGCATGTACACCTCAAGCGCCACGAGAGGACTCACTCGGGGAGAAGCCCTACACATGCACCCAGTGC
GCAAGAGCTTCCAGTACTCGCACAACTGAGCCGCCATGCCGTGGTGCACACCCGAGAAAGCCGACGC
CTGCAAGTGGTGCAGCGCAGGTTACGCAAGTCCGGGGACCTGTACAGACACATTCGCAAGTTCCTGT
GAGTTGGTGAACCTCTTGTGCGTCAAAAGCGAAGCACTGAGCTTGCCTACTGTGAGAGCTGGACCTTAG
AAGATAGCTCTCAAGAACTTTGGAATAA
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Clone variation with respect to NM_006352.4

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006352 unedited
TGTTTCGCATTTGTATACGACTTACTATAGGGCGGCCGGAATTCGCACGAGGCGGAATTA
ATTTTTTATATGGGGACTGGAGCGCTGAAAGTTGTTCTTGACCAGGCTCTAATGAGAAA
TTCCTCTCTCCCCAGGTTATGAAGACAGTATGGAGTTTCCAGACCATAGTAGACATTTGC
TACAGTGTCTGAGCGAGCAGAGACACCAGGTTTTCTTTGTGACTGCACTGTTCTGGTGG
GAGATGCCCAGTTCGAGCGCACCAGCTGTACTGGCTTCATGCAGCATGTATTTCCACC
TCTTTTACAAGGACCAGCTGGACAAAAGAGACATTGTTTCATCTGAACAGCGACATTGTTA
CAGCCCCCGCTTTCGCTCTCCTGCTTGAATTCATGTATGAAGGGAAACTCCAGTTCAAAG
ACTTGCCCATTTGAAGACGTGCTAGCAGCTGCCAGTTATCTCCACATGTATGACATTGTCA
AAGTCTGCAAAAAGAAGCTGAAAGAGAAAAGCCACCACGGAGGCAGACAGCACAAAAGG
AAGAAGATGCTTCAAGTTGTTTCGGACAAAGTCGAGAGTCTCTCCGATGGCAGCAGCCACA
TAGCAGGCGATTTGCCAGTGATGAAGATGAAGGAGAAGATGAAAAATTGAACATCCTGC
CCAGCAAAAGGGACTTGGCGGCCGAGCCTGGGAACATGTGGATGCGATTGCCCTCAGACT
CAGCAGGCATCCCCAGGCTGGCGGAGAGGCAGAGCCACAGCCACAGCAGCTGGAAAAA
CAGTAGCCAGCCCTGCAGCTCAACAGAGTCTTTGTCCAGAGGTCTGTACCTCCGTGA
GGGATTTCGNCAGATGTTGACTGTGTGCTGGACCTGTCTGTCAGTCCAGCCTTTCAGGAGT
TGAATCTGACAGCTCTT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006352 unedited <pre> TTTTTTTTTTTTTCTCAGNCCATATAATTTATTGCAGTTAGCACACAGTTTAAAAATT CACCAACACACCAATAGTACAAAATAACAGCATTATAAGTTATTCCCCTCAGGAAAA TAAACATACTATGATTGTCAAAGCTAGATGTCAGTCTAAGTTTTAAACAAAGGAAGAA TGTGAAACTAAGAAAAGGAAAAAGCATTCACTCACAATGACCACAAAAGAAAATCCAAA AGAAAGTCCGTTTTCTCACAGACATTGATTGTCTTCTCTAAATTAATAAAAAATTATTTA ACATAAACTGTATTTTAAAAAACTAGAACTCTTCAAGTAACTAAAGATAATGCTCCAA GGCCATTTTCACAGCTTTTTTTGTTGGTTGGTTGCTTTAAATGCCATTACAGCCAAATT AACACACATTTAACCAAAATATTTCCAAAACAGTCCAGCAACACACAATGGGAGTTTTCCA TTCAGTATCTTAAGCACAAAATAGGCTATGTTTACAGTAGTTAAGGCGATCAAATTTTA AACAAAAGCAATTAAAAAAAAGGGAAAAACAGCAAACGTTTTCCATGCTACTCCCAT G </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006352
Insert Size:	3670 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_006352.3, NP_006343.2</u>
RefSeq Size:	4319 bp
RefSeq ORF:	1569 bp
Locus ID:	10472
UniProt ID:	<u>Q99592</u>
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]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform (2).