

## Product datasheet for **SC107511**

### ZNF438 (NM\_182755) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF438 (NM_182755) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF438
Synonyms:	bA330O11.1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC107511 sequence for NM\_182755 edited (data generated by NextGen Sequencing)

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ATGCAGAAATTCTGTATCAGTACCACCAAAAAGATGAAGGTGAATCAAACATCCCTTCTGGA
ACAATACAGAGTAGGAAAGGTTTGCAGAATAAGAGTCAGTTTAGGACCATTGCACCAAAA
ATTGTGCCCAAAGTCCTAACGTCCAGAATGCTGCCATGTCATTACCATCAGCCTCTGAT
CAGGTGAATCTGGGACCCTCCATCAACTCCAAGCTGCTGGGGATGCCACCCAGAACTAT
GCCCTGATGCAGTTTCTGGCCAGGAGGGACATTTTCTTTGTTGCTCTGCCACATGTT
GCCTCAGCTCAGCCAATTCAGAAAACCCAGAATGTCCCTACCTGAAAACCTGAAAACCTCT
ATTCTAGATATCAACCCCTAGAAATAGCAAAGCATCAAGAAAGAAACCCATCCTGATC
TTTCTAAGAGTGGCTGTAGCAAAGCTCCTGCCAAAACCCAAATGTGTCCTCAGATGTCC
CCTTCCCACCTCACCACCCTGAACTCCTGTACAAACCCAGTCCATTTGAGGAAGTACCA
TCACTAGAGCAAGCCCCAGCCAGCATTAGCATAGCTGCGCTGACCAATGGAAGTGACCAT
GGGGACTTGAGACCACCAGTGACCAACACCCATGGCAGTCTGAACCCTCCTGCTACCCCA
GCATCATCCACACCAGAGAGCCTGCCAAGCAGGACCTCAGAGCTTTTCAGGGAAGCA
CACTTTGTAAGCAAGATAACATCTAGTAAACCTTCTGCTGTTGCCAGTAAAAATTTAAA
GAACAAGTTGATCTTGCAAAAACCATGACCAATTTATCACAACCATTTCTGGCAATGCA
GTTCAAGTTGATCTTTCAGTCCCAAGGGAAACTGCCAATCCCACCCTACTCAAGAATG
AAGACAATGGAGGTTTACAAAATCAAATCAGATGCTAACATTGCAGGTTTTTCTTTACCA
GGACCTAAGGCCGACTGTGATAAGATACCTCCACCACAGAAGGCTTTAATGCAGCCACC
AAGGTGGCAAGCAGGCTACCTGTTCCACAAGTGTACAGCAGAGTGCCTGTGAAAGTGCC
TTTTGTCCACCCACCAAACTTGATCTTAACCACAAAACAAAATGAACAGTGGAGCAGCA
AAGAGAAAAGGAAGAAAACGGAAGTACCAGATGAAATTTTGGCATTTCAGGGAAAAGG
AGGAAATATATCATTAAATAGTGTAGAGATGGTAAAGAAAAGAGTAAAAAATGATCCCCAA
GAATTCAGAGACCAAAAAGCTGGGGACCCTGAAAAAATACCGTAGCATTATGCCCAACCT
ATCATGGTCATACCCACTTTGGCCTCCCTGGCTTCTCCAACCTACACTACAGTCCCAGATG
CTTGGGGCCCTAGGACAGGATGTTTTGTTAAATAATTCACTCACTCCTAAATATCTTGGC
TGTAAGCAAGACAACAGCTCTTCCCCTAAGCCCAGCTCCGTGTTCCAGAAATGGATTCTCT
GGCATTAAAGAAGCCTTGGCACAGATGTCACGTCTGCAACCACCACTTCCAGTTCAAACAG
CACCTTCGAGACCACATGAATACACACACCAACAGACGCCCTTACAGTTGTCGGATTTGT
CGCAAGTCTATGTACGTCCTGGCAGCCTGAGCACACACATGAAACTTCATCATGGTGAG
AACCGTCTGAAGAAACTCATGTGTTGTGAGTTTTGTGCAAAAGTGTGTTGCCACATCCGA
GTCTATTTTGGCCATCTGAAAGAAGTGATAGGGTTGTGATCAGCACTGAGCCTGCGCCC
AGTGAACCTGCAGCCAGGAGACATACCAAAGAACAGAGACATGAGTGTGCGAGGCATGGAG
GGATCATTGGAGAGGGAAAACAAGTCCAACCTGGAAGAAGACTTCTTCTAAACCAGGCA
GACGAAGTCAAATTACAAATCAAATGTGGTCGTTGTGAGATTACTGCTCAGTCTTTTGGC
GAAATAAAATTTCACTTACTTGTGTTTGTGAGAGGAAATGAGGGCAGGCTACAAGAA
GGGACCTTCCCAGGAAGCAAGGGGACTCAGGAAGAGTTGGTGCAGCACGCTAGCCCCGAC
TGGAAAAGGCATCCTGAGAGAGGGAAGCCGGAGAAGGTTTCACTTCTCCTCCGAGGAATCA
CATGCATGTCCAAGACTGAAAAGGCAGCTCCACCTTTCATCAGAATGGCGTGGAAATGCTC
ATGGAAAATGAAGGACCCAGTCAGGAACCAACAAGCCAAGGGAAACCTGCCAGGGCCCT
GAGTGTCTGGCCTCCACACGTTTCTTGTGGTCCCATTTCAGGCTTTAACTGCCTGCTT
TGTGCAGAGATGCTGGGACGAAAGAGGACCTCCTCCACCACTGGAAGCACCAGCATAAC
TGTGAGGACCTTCCAACTGTGGGCTATTTTAAATACGGTCTCCAACCAGGGAGTGATC
GAACTTTCCAGTGAAGCTGAGAAATGA

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Clone variation with respect to NM\_182755.2  
572 c=>t

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_182755 unedited TTTGTAATACGACTCACTATAGNNGCGGCCCGCAAATTCGGCACGAGGGTAGGAAAA CTATAAAATGAATGCCATTTCCCATCCAGTACTGAAAGTGTAAAGTTAGAAGACATTTG CTAAGTCAAATCACTTCAGGTATGTTGAAGAAAGTACGCACATCTTATCTTCTGAACATT TTGATGGAATTAACCACAACTTCATGCAAGAACAGTAAAAGGAAAGATACTATTCAAGT CCAGTACATCATAATGCAGAATTCTGTATCAGTACCACAAAAGATGAAGTGAATCAAA CATCCCTTCTGGAACAATACAGAGTAGGAAAGGTTTGCAGAATAAGAGTCAGTTTAGGAC CATTGCACCAAAAATTGTGCCAAAGTCCTAACGTCCAGAATGCTGCCATGTCATTCACC ATCACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCCAAGCTGCTGGGGATGTC CACCCAGAACTATGCCCTGATGCAGTTGCTGGCCAGGAGGGGACATTTTCTTGTGTC TCTGCCACATGTTGCCTCAGCTCAGCCAATTCAGAAACCCAGAATGTCCCTACCTGAAAA CCTGAACTTCTATTCTAGATATCAACCCCTAGAAAATAGCAAAGCATCAAGAAAGAA ACCCATCTGATCTTTCCTAAGAGTGGCTGTAGCAAAGCTCCTGCCAAACCCAAATGTG TCCTCAGATGTCCCTTCCCACCTCACCCCTGAACTNCTGTACANACCCAGTCCATTTG AGGAAGTACCATCACTAGAGCAAGCCCCAGCCAGCATTAGCATAGCTGCGCTGACCAATG GAGTGACCTGGNGACTTGAGACACCAGTGACCACACCATGCAGTCTGACCCTNCTGCTAC CCAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_182755
<b>Insert Size:</b>	3150 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_182755.1</a> , <a href="#">NP_877432.1</a>
<b>RefSeq Size:</b>	3151 bp
<b>RefSeq ORF:</b>	2487 bp
<b>Locus ID:</b>	220929
<b>UniProt ID:</b>	<a href="#">Q7Z4V0</a>
<b>Cytogenetics:</b>	10p11.23

**Gene Summary:**

Isoform 1 acts as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-4 encode the same isoform (a).