

## Product datasheet for **SC326242**

### ZNF438 (NM\_001143770) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF438 (NM_001143770) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF438
Synonyms:	bA330O11.1
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001143770, the custom clone sequence may differ by one or more nucleotides

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ATGGATAGTGAATCAAACATCCCTTCTGGAACAATACAGAGTAGGAAAGGTTTGCAGAAT
AAGAGTCAGTTTAGGACCATTGCACCAAAAATTGTGCCAAAAGTCCTAACGTCCAGAATG
CTGCCATGTCATTACCATCACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCC
AAGCTGCTGGGGATGTCCACCCAGAACTATGCCCTGATGCAGGTTGCTGGCCAGGAGGGG
ACATTTTCTCTTGTGCTCTGCCACATGTTGCCCTCAGCTCAGCCAATTCAGAAAACCCAGA
ATGTCCTTACCTGAAAACCTGAAAACCTTCTATTCTAGATATCAACCCCTAGAAAATAGC
AAAGCATCAAGAAAGAAACCCATCCTGATCTTTCTAAGAGTGGCTGTAGCAAAGCTCCT
GCCCAACCCAAATGTGTCCTCAGATGTCCCTTCCCCACCTCACCACCCTGAACTCCTG
TACAAACCCAGTCCATTTGAGGAAGTACCATCACTAGAGCAAGCCCAGCCAGCATTAGC
ACAGCTGCGCTGACCAATGGAAGTGACCATGGGGACTTGAGACCACCAAGTACCAACACC
CATGGCAGTCTGAACCTCCTGCTACCCAGCATCATCCACACCAGAGGAGCCTGCCAAG
CAGGACCTCACAGCTCTTTCAGGGAAAGCACACTTTGTAAGCAAGATAACATCTAGTAAA
CCTTCTGCTGTTGCCAGTAAAAATTTAAGAACAAGTTGATCTTGCAAAAACCATGACC
AATTTATCACCAACCATCTTGGCAATGCAGTTCAAGTTGATCTTTCAGTCCCCAAAGGG
AAACTGCCAATCCCACCTACTCAAGAATGAAGACAATGGAGGTTTACAAAATCAAATCA
GATGCTAACATTGCAGGTTTTTCTTTACCAGGACCTAAGGCCGACTGTGATAAGATACCC
TCCACCACAGAAGGCTTAAATGCAGCCACCAAGGTGGCAAGCAGGCTACCTGTTCCACAA
GTGTCACAGCAGAGTGCCTGTGAAAGTGCCTTTTGTCCACCCACCAAACTTGATCTTAAC
CACAAAACAAAAGTGAACAGTGGAGCAGCAAAGAGAAAAGGAAGAAAACGGAAAGGTACCA
GATGAAATTTTGGCATTTCAGGGAAAAAGGAGGAAATATATCATTAAATAGTGTAGAGAT
GGTAAAGAAAGAGTAAAAATGATCCCCAAGAATTCAGAGACCAAAAAGCTGGGGACCCTG
AAAAAATACCGTAGCATTATGCCCAACCTATCATGGTCATACCCACTTTGGCCTCCCTG
GCTTCTCCAACCTACACTACAGTCCAGATGCTTGGGGCCCTAGGACAGGATGTTTTGTTA
AATAATCACTCACTCCTAAATATCTTGCTGTAGCAAGACAACAGCTTTCCTTAAG
CCCAGTCCGTGTTTACAGAAATGGATTCTCTGGCATTAAAGAAGCCTTGGCACAGATGTCAC
GTCTGCAACCACCACTTCCAGTTCAAACAGCACCTTCGAGACCACATGAATACACACACC
AACAGACGCCCTTACAGTTGTCGGATTTGTCGCAAGTCCATGTACGTCCTGGCAGCCTG
AGCACACACATGAAACTCATCATGGTGAGAACCGTCTGAAGAACTCATGTGTTGTGAG
TTTTGTGCAAAAGTGTGGCCACATCCGAGTCTATTTTGGCCATCTGAAAGAAGTGCAT
AGGGTTGTGATCAGCACTGAGCCTGCGCCAGTGAAGTGCAGCCAGGAGACATACCAAAG
AACAGAGACATGAGTGTGCGAGGATGGAGGGATCATTGGAGAGGGAAAAAAGTCCAAC
CTGGAAGAAGACTTCTTCTAAACCAGGCAGACGAAGTCAAATACAAATCAAATGTGGT
CGTTGTCAGATTACTGCTCAGTCTTTTGGCGAAATAAAATTTTCAATTTACTTGATGTTTCA
GGAGAGGAAATGAGGGCAGGCTACAAGAAGGGACCTTCCAGGAAGCAAGGGGACTCAG
GAAGAGTTGGTGCAGCACGCTAGCCCGACTGGAAGGATCCTGAGAGAGGGAAGCCG
GAGAAGGTTTCTCCTCCTCCGAGGAATCATATGCATGTCCAAGACTGAAAAGGCAGCTC
CACCTTATCAGAATGGCGTGGAAATGCTCATGGAAAATGAAGGACCCCAAGTCAAGAAC
AACAAAGCAAGGAAACCTGCCAGGCCCCTGAGTGTCTGGCCTCCACACGTTTTCTCTTG
TGGTCCCATTCAGGCTTAACTGCCTGCTTTGTGCAAGATGCTGGGACGAAAGAGGAC
CTCCTCCACCACTGGAAGCACCAGCATAACTGTGAGGACCCTTCCAAACTGTGGGCTATT
TTAAATACGGTCTCCAACCAAGGAGTGATCGAAGTTCAGTGAAGCTGAGAAA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001143770

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_001143770.1</a></u> , <u><a href="#">NP_001137242.1</a></u>
<b>RefSeq Size:</b>	3357 bp
<b>RefSeq ORF:</b>	2457 bp
<b>Locus ID:</b>	220929
<b>UniProt ID:</b>	<u><a href="#">Q7Z4V0</a></u>
<b>Cytogenetics:</b>	10p11.23
<b>Gene Summary:</b>	Isoform 1 acts as a transcriptional repressor.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (6) differs in the 5' UTR and includes an additional exon in the 5' coding region which results in the primary ORF beginning at a downstream start codon, compared to variant 1. The resulting isoform (b) has a shorter and distinct N-terminus, compared to isoform a. Both variants 6 and 7 encode the same isoform.