

Product datasheet for **SC108238**

ZNF384 (NM_133476) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF384 (NM_133476) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF384
Synonyms:	CAGH1; CAGH1A; CIZ; ERDA2; NMP4; NP; TNRC1
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 SC108238 sequence for NM_133476 edited (data generated by NextGen Sequencing)

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ATGGAAGAATCTCACTTCAATTCTAACCCGTA CTCTGGCCTTCTATCCCCACAGTCTCA
GGTCAGATCGAGAACACAATGTTTCATCAACAAGATGAAGGATCAGCTGTTGCCAGAGAAG
GGCTGTGGTCTGGCCCCACTACTACCCACCTTGCTGACAGTGCCTGCCTCAGTGTCC
CTGCCCTCAGGCATCAGTATGGACACAGAGTCCAAGTCAGACCAGCTGACCCACACAGC
CAAGCGTCCGTTACCCAGAATATCACGGTGGTCCCTGTGCCGTCTACAGGACTGATGAC
GCTGGAGTCTCCTGTTCTCAGAGGTGGAGAAGAGAAGGGAGTCAATCAAGGGTCCGGGT
TTGGTAATCACGTCCCCCTCAGGCTCTCTTGTGACCACAGCATCATCAGCTCAGACCTTC
CCCATTTTCGGCTCCCATGATTGTCTCAGCTCTTCCCCCTGGCTCACAAGCCCTGCAGTT
GTCCCTGACCTCTCCAAGAAGGTAGCATCGACCCTAACCGAGGAAGGAGGCGGAGGTGGT
GGTGGAGTGGCAGTGTGGCTCCTAAGCCACCCCGGGGCCGAAGAAGAAGCGGATGCTG
GAATCAGGGCTGCCGAGATGAATGACCCTTATGTCTCTCCCCTGAGGATGATGATGAC
CATCAGAAAGACGGCAAGACCTACAGGTGCCGGATGTGCTCACTGACATTCTACTCCAAG
TCGGAGATGCAGATCCACTCCAAGTCACACACCGAGACCAAGCCCAAGTGCCACAT
TGCTCCAAGACCTTCGCCAACAGCTCCTACCTGGCCCAGCACATCCGTATACACTCAGGG
GCTAAGCCCTACAGTTGTAACCTTCTGTGAGAAATCCTTCCGCCAGCTCTCCCACCTTCAG
CAGCACACCCGAATCCACTGTTGATAGACCATACAAATGTGCACACCCAGGCTGTGAG
AAAGCCTTCACACAACCTCTCAAATCTGCAGTCCCACAGACGGCAACACAACAAAGATAA
CCCTTCAAGTGCCACAACCTGTCATCGGGCGTACACGGATGCAGCCTCACTAGAGGTGCAC
CTGTCTACGCACACAGTGAAGCATGCCAAGGTGTACACCTGCACTATCTGCAGTCGGGCA
TACACATCAGAAACATACCTTATGAAACATATGCGCAAACACAACCCGCCTGATCTTCAG
CAACAGTGCAGGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
GCCAGGCTCAGGCTCAGGCTCAAGCCAGGCCAGGCCAGGCCAGGCCCTCCCAGGCATCACAG
CAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
CAGTCTCCTGGGGCAGCCCCCAGGGTGGGGGTGGTGGGGACAGCAATCCCAACCTCCA
CCCCAGTGTCTTTGACCTGACCCCGTATAAGACGGCGGAGCATATAAGGACATCTGC
CTCACTGTACCACCAGCACCATCCAGGTGGAGCACCTGGCCAGCTCTTAG
    
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Clone variation with respect to NM_133476.4

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_133476 unedited
AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTAGACTGCTGTTATTATA
TCCACCCGCTTTTGGATTGCTGGCTGGGGGTCTGCCTGCCTCCAGACTGACTGCTGAC
AAATAATCCTGAGGTTCTCCACAGTTCTCTGGTGGCTGCACCCTGCCTGGCCCCGTAA
CCTAGACAATTTGTTTACAGAAAGTTCAGGAGCCCTGGAAGGAGAAGGAATAAGACGGC
AGGAGGAAGAGAGAGAGAGGGTGAATGGAAGAATCTCACTTCAATTCTAACCCTACTT
CTGGCCTTCTATCCCCACAGTCTCAGGTGAGATCGAGAACACAATGTTTCATCAACAAGAT
GAAGGATCAGCTGTTGCCAGAGAAGGGCTGTGGTCTGGCCCCACCTCACTACCCACCTT
GCTGACAGTGCCTGCCTCAGTGTCCCTGCCCTCAGGCATCAGTATGGACACAGAGTCCAA
GTCAGACCAGCTGACCCACACAGCCAAGCGTCCGTTACCCAGAATATCACGGTGGTCCC
TGTGCCGTCTACAGGACTGATGACTGCTGGAGTCTCCTGTTCTCAGAGGTGGAGAAGAGA
AGGGAGTCAATCAAGGGTCCGGTGGTAAATCACGTCCCCCTCAGGCTCTCTTGTGAC
CACAGCATCATCAGCTCAGACCTTCCCCATTTGGCTCCCATGATTGTCTCAGCTCTTCC
CCCTGGCTCACAAGCCCTGCAGGTTGTCCCTGACCTCTNCAAGNAAGTAGCATCGACCCT
AACCGAGAANNGAGCNGANGNNTGTGTGGAGGTGNCAANTGTGCTCCTAAGCCACCCGN
GCCNGAAGAAAAAGCGATGCTGNAATCAGGGGCTGCCGAGATGATGACCTTATGTNCTC
TCCCCTGAGATGATGATGACATCANAAGACNGCAGACCTACAGTGCCCGATTGCTCCTGA
ATTTACTTCAGTCGAGAGCGGATCCCTCAGT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_133476 unedited GAGAGAGCACTGGGGNAGGGTCACAGGGCAGCCACCCGGGTATCTGTTTCAGGAAAACAGC TATGACCCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAGAGATAATGCA TTTATAAACACAGAAAATGGTTACAACAAAGATGGCCGTGAATGAGTGGGTATAATATAT TTATATATATATATTTATATAAATCCGTGTCCGGCATCTGACTGTGGCACCTAGGGAG CTAAGTCCAGTCCTTGCCTTGCCTTGAACCTCTCCCTTCTCCGCAACACCCTGTTTTGG AGTTTTACAGATAACACAAGCCTCCACAGCTCCTTGGGGGGTGGTGTGGGGAGACTG AGAGTATAGGGTCTTTGTAGGCAGAGAAGGAGAGAGGCTTCAAGGAAATCCGTAAAACCA TAACACACACTTCTAAGCCACCTGTGACCAACTTGGAATTTCTGGCCCTTGGGGACCA CATCTCAGCCCTTGCCCTTCAAATAAAAGGAGGTCTAGCCCTACCCCAAATCTCCTT CTACCAGCAGTCAATAGGAAGCAAAGTGAGACGATGTAGGGGAAGAAATGGCTCTCAGGG ACTGAGGCATTTGAGAAACCTCTGTTCTTTTGCAGGCAAAAATAGAACAAGAGGCTGGTT GCATTTGGGGCTCCCTTTCTCTGTTATCTGGGAGGGCCAGCCTCTAGTCTTACATCAGC CCAAACTTTGAGGATAAGGAGGGTAAGGATAGGGTAAAGTGGCCACACTGGACAAGGTTCT TATGAAGTCATAGCAAATCCTTCCCTTGAGCACCACCCCAATTTTAAAACTTTGCTT TGGAAAGGAAGGCTGCTGGATGAACCATCAGCTCATTATTCCTC
Restriction Sites:	NotI-NotI
ACCN:	NM_133476
Insert Size:	2600 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:	<ol style="list-style-type: none"> 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_133476.2 , NP_597733.2
RefSeq Size:	2906 bp
RefSeq ORF:	1551 bp
Locus ID:	171017
UniProt ID:	Q8TF68
Cytogenetics:	12p13.31
Domains:	zf-C2H2
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a C2H2-type zinc finger protein, which may function as a transcription factor. This gene also contains long CAG trinucleotide repeats that encode consecutive glutamine residues. The protein appears to bind and regulate the promoters of the extracellular matrix genes MMP1, MMP3, MMP7 and COL1A1. Studies in mouse suggest that nuclear matrix transcription factors (NP/NMP4) may be part of a general mechanical pathway that couples cell construction and function during extracellular matrix remodeling. Alternative splicing results in multiple transcript variants. Recurrent rearrangements of this gene with the Ewing's sarcoma gene, EWSR1 on chromosome 22, or with the TAF15 gene on chromosome 17, or with the TCF3 (E2A) gene on chromosome 19, have been observed in acute leukemia. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Apr 2011]

Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon in the central coding region, compared to variant 7, resulting in an isoform (a) that is shorter than isoform d.