

Product datasheet for **SC103003**

ZNF382 (NM_032825) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF382 (NM_032825) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF382
Synonyms:	KS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC103003 sequence for NM_032825 edited (data generated by NextGen Sequencing)

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ATGCCCTTACAGGGATCAGTGTCAAGGATGTGACTGTGGACTTCACCCAGGAGGAG
TGGCAGCAACTAGACCCTGCTCAGAAGGCGCTTTACAGGGATGTGATGTTGGAAACTAT
TGCCACTTCGTATCTGTGGGGTTTACATGGCTAAGCCTGATATGATCCGCAAGTTGGAA
CAAGGAGAAGAGCTATGGACACAGAGAATTTTCCAAGTTACAGCTACCTAGAAGAAGAT
GGGAAAACCTGAAGATGTCTTAGTGAAGTTCAAAGAATACCAAGACAGGCATTCTAGACCC
CTCATATTCATCAACCACAAAAAATAATTAAGGAGAGAAGTAATATTTATGGTAAAAACA
TTTACTCTAGGCAAGAACCCTATTTCAAAAAACAATACTATGTGAATATAAACCTGATGGA
AAAGTTTTGAAAAATATTTCAGAACTAGTCATTAGAAATATAAGCCCCATAAAAGAGAAG
TTTGGTGACAGTACTGGATGGGGGAAATCACTCCTCAATACCAAGCATGAGAAAATTCAT
CCTGCAGTGAATCTCCATAAAACAAACAGAAAGAGTTCTCAGTGGTAAACAGGAGCTTATT
CAGCATCAGAAGGTTCAAGCTCCAGAGCAACCATTGACCATAATGAATGTGAAAAATCC
TTCCTGATGAAAGGAATGCTATTTACACATACTAGAGCTCACAGAGGAGAAAGAACCTTT
GAATACAATAAAGATGGAATTGCCTTCATAGAAAAGTCAAGCCTCAGTGTCCATCCAAGT
AATCTTATGGAAGAAGCCCTCTGCCTACAACAAATATGGGAAATTCCTCTGCAGAAAG
CCTGTTTTTATTATGCCTCAGAGACCTCAACAGAAAGAGAAACCTTTTCACTGTCCCTTAC
TGTGGGAATACTTTAGAAGGAAGTCATACCTCATTGAACATCAGCGAATTCACACAGGT
GAAAAACCTTATGTTTGAATCAATGTGGAAAGCCTTCCGTCAGAAGACAGCCCTCACC
CTTCATGAGAAAAACATATAGAGGGGAAACCTTTATTTGTATCGATTGTGGGAAGTCC
TTCCGCCAGAAGGCCACCTCACTAGACATCACAAAACACATACGGGGGAGAAAGCCTAT
GAATGTCTCAGTGTGGAAGTGCCTTTAGGAAGAAGTCATACCTCATTGATCACCAGAGA
ACTCACACAGGAGAGAAACCGTATCAGTGTAAATGAGTGTGGGAAGGCATTTATCCAGAAG
ACAACCCCTCACTGTTTCATCAGAGAAGTCAACAGGAGAGAAACCTATATTTGCAATGAA
TGTGGGAAGTCTTCTGCCAAAAGACAACCTCACTCTCCACCAGAGAATTACACGGGG
GAAAAACCTATATTTGTAATGAATGTGGGAAGTCTTCCGCCAGAAGGCAATCCTCACT
GTTTCATCAGAAATACATACAGGAGAAAAATCCAATGGGTGTCTCAGTGTGGGAAGCC
TTCAGTAGGAAATCAAACCTCATTGCGCATCAGAAAACCTCACACAGGCGAGAAACCATAT
GAATGTAAACAGTGTGGGAAGTCTTCAAGTTGTAAGTCAAACCTCATTGTCCATCAGAAA
ACTCACAAGGTAGAAACACGGGAATTCAGTAA
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Clone variation with respect to NM_032825.3
503 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032825 unedited

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CATTTATGTATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGGCGCAGACGAC
TCACCCCTGGGCGGGGGTGAGGCTTGGACTGTTTCTTTTCCAAAAGAGGAGCTCAAAAG
AGAAAGTTTCATCTAGAAATCTCAAAGCCATGTCTCAGGATGAAGTATGAGTATGCCCTTAC
AGGGATCAGTGTCAATCAAGGATGTGACTGTGGACTTCACCCAGGAGGAGTGGCAGCAAC
TAGACCCTGCTCAGAAGGCGCTTTACAGGGATGTGATGTTGGAAACTATTGCCACTTTCG
TATCTGTGGGGTTTACATGGCTAAGCCTGATATGATCCGCAAGTTGGAACAAGGAGAAG
AGCTATGGACACAGAGAATTTTCCAAGTTACAGCTACCTAGAAGAAGATGGGAAAACCTG
AAGATGTCTTAGTGAAGTTCAAAGAATACCAAGACAGGCATTCTAGACCCCTCATATTCA
TCAACCACAAAAAATAATTAAGGAGAGAAGTAATATTTATGGTAAAACATTTACTCTAG
GCAAGAACCGTATTTCAAAAAACAATACTATGTGAATATAAACCTGATGGAAAAGTTTGA
AAAATATTTTCAGAACTAGTCATTAGAAATATAAGCCCCATAAAAGAGAAGTTTGGTGACA
GTACTGGATGGGGGAAATCACTCCTCAATACCAAGCATGAGANAATTCATCCTGCAGTGA
ATCTCCATAAAACAAACAGAAAGAGTTTCTCAGTGGTAAACAGGAGCTTATTCAGCATCAGA
AGGTTCAAGCTCCAGAGCACCATTGACCATAATGAATGTGAAAATCCTTCCTGATGAA
AGGAATGCTATNTACATACTAGAGCTCACANAGGAGAAAGGACCTTTTGGATACATAA
AGATGGAATGCCTTCATAGAAAGTCAGCCTCAGTGTATCCAGTATCTATGGAAAGAAG
CCCTCTGCTACACATATAGGNAATA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032825 unedited <pre> TCCGCGGCCGCAATCTAGTGTGAGTTTTTTTTTTTTTTTTTCTCAGAACATGATTTAT TATGACCCCTAAGCTGTAAACAATGTAAAAGTCCATCAACAGCAGAATGGATAAATTGTGA TATAATCATATAATTGAATTCTATACTGGATAAAAAATAAATAAACTTCTGCCACACGTAC TAATGATTAGACTCACGGACATGATGAAGGTAATAAGCTGTATATGAAAGAATACATGAT ATATAATCCAATTTATAGAAAGGTTTATAATAGTAAAACTAATTTGTAATGTTAGAAGT CAGAATCATGGTCAACTGTGAGGAGGTAACAATAATTTTATTTTGTATTGCAATGAG AAATACAGTTTCATACCTCCTTCTTTTAAAGAACCTCTACTCACTGTGTAGTCCATGGACC ACAGTCAGTTGGCCAAGTATTACTGATGAACAAAAAGATATGTATGGAAATGGAAA ATGTGATTTTAAATGTTTATAACACCTTGACAGAGGAAGTTTTGTCTGCTGAAGCTAGT AATAAAAAAAGTTAGGACTTCTTAATGATTTTTGCCATCTAATTGGTCTAATAATATT TGAGAGTGCAGTGTGTGTGAGTGTGTTTACAGGCTGGCAAACAGTAGGTTACCATG TGGTATAGCACCTTAACTGTTGAATATTACGCTTGCAAGCAACATCATCTACAGGCNTT ACTATGACTTAACATTTTTTTTACAAAAAAGCCACATTACCTACTGGATTTCGGTGCT TTCTACCCTGAGAGTTTTCTGATGGACAATGAGGTTGGACTTACAACGAAGAAGTCCC ACACTGTTTACATTATATGGTTTCTCGCCTGTGGGAGTTCTCTGAAGGCGAAAGAAGGTA GATTCCTACTGGAGCCTTCCCAACCTGAGAAACCCATTGGATTTTTCCCGCCGCTCC CGCGGAAACAGAAAGTGCCTTTGCGGGAGACCTCAATTCTTAAATAAAAGGTTCC CCGAGGAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032825
Insert Size:	2560 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_032825.3</u> , <u>NP_116214.2</u>
RefSeq Size:	2830 bp
RefSeq ORF:	1653 bp
Locus ID:	84911
UniProt ID:	<u>Q96SR6</u>
Cytogenetics:	19q13.12

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: This gene encodes a KRAB domain zinc finger transcription factor (KZNF). KZNFs play critical roles in the regulation of many cellular processes including differentiation, proliferation and apoptosis. The encoded protein inhibits activating protein 1 (AP-1) and nuclear factor kappa-B (NF-κB) signaling and may function as a tumor suppressor in multiple carcinomas. This gene is found in a cluster with other zinc finger protein genes on the long arm of chromosome 19, and alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).