

Product datasheet for SC117981

ZNF174 (NM_003450) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF174 (NM_003450) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF174
Synonyms:	ZSCAN8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117981 sequence for NM_003450 edited (data generated by NextGen Sequencing)

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ATGGCAGCTAAAATGGAGATAAATTAAAGCTCCAACACTGAAGCTTCCTCCAAGCAAGAG
AGACACATAATAGCCAACTAGAAAGAGAAACGGGGCCCTCCTCTGCAAAAAAACTGCCCA
GATCCTGAGCTCTGCCGCGAGAGCTTCAGACGCTTTTGTATCAAGAGGTGTCTGGACCC
CAAGAGGCGCTCTCCAGCTCCGACAGCTCTGCCGTGAGTGGTTGCAACCCGAGCTGCAC
ACCAAGGAGCAGATTTTGGAGCTTCTGGTGATGGAGCAGTTCTGACCATCCTGCCCCCG
GAGATCCAGGCTCGGGTCAGGCATCGATGTCCAATGAGCAGCAAGGAGATTGTGACCCTC
GTGGAAGATTTTACAGAGCATCCAAGAAACAAAGCAGTGGGTGGCCGTTTGTATGCAG
GGGCAAAAGGTGCTCTTGGAGAAAACCTGGATCTCAGCTTGGAGAACAGGAACTGCCAGAC
TTTCAACCGCAGACTCCTAGGAGAGATCTCAGGGAGAGCTCTCCAGCAGAGCCTTCCCAG
GCAGGAGCTTATGACCGCTGAGCCCCATCATTGGGAGAAATCCCCTCCTCCAAGAA
CCAACCCCAAATTTGGCTGGGACAGAGGCCCCCAAGATGAGAAGTGACAACAAGGAAAAT
CCACAACAGGAAGGGGCTAAAGGAGCAAAGCCATGTGCAGTGTGAGTGGCAGATCCAAA
GGGAATGGTCTGCAGAATCCTGAACCAAGAGGGGCAAATATGAGTGAACCTCGGTTGTCA
CGGAGGAGGTCAGCTCCCCAAATGCTCAAAGCCATTTGCTCACTACCAGAGACATTGC
AGGGTGAATACATCAGCAGCCCCCTAAAAGCCACCCACTGAGAGAGCTAAAGAAAAGC
AAAGGAGGTAACGGAGTCTGAGCAACCGTTTGAACATCTTGGTCACCAGCCCACCCGC
TCAGCAAAGAAACCCTACAAATGTGATGACTGTGGGAAAAGCTTACAGTGAATTCAGAG
CTGAAGAGACACAAGAGAGTCCACACAGGAGAGAGACCCTACACGTGCGGAGAGTGTGGA
AACTGCTTTGGGCGGAGTCAACCTGAAAGCTGCACCAGAGGATCCACACTGGAGAGAAG
CCATACCAGTGTGGCCAGTGTGGGAAAAGCTTTCGCCAGAGCTCAAACCTTACCAGCAT
CACCGACTTACCATGGGGACTAA

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Clone variation with respect to NM_003450.2
189 t=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003450 unedited
 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTCCCTAAGTCCCT
 CGGTCTTGGGTTCCCGGAGAGGTGAGTCGGCTGCAGGTGGGTGCGGGGCGCCGGGCTGTT
 CGGGGTACCGGTGTCGCAGTCGCCAGTCCGAGCTCACACCGGGCGTGGAGTTCAGCTGCC
 CATCGGTTGCGGCAGCTTCGCCAGGCTGGGGCTGGCTGGGCCGCGGGGCGCCCTGGA
 GGCCGGAGCCACTGGGCTGCGGCCTCGGCAGCAGCAGCCGCTTGTCTCGCTGCAG
 GAGGCTGTTGCTACCTCACACCCCGGCTGGCGCTGTGGCCTCGCTTAGCTCTACCGTT
 TAGCACCCGGCGACATGCACCCGGTTCGGTTCCGCCAGGATGCGGGAGAGTTGGGGCAAG
 CTACCTGCGACAGCTTGAACCTTTTCTAGGGATCCGCTCCACCCGCGGTTAGAGCGTA
 TTGCTCATTAAATCCGAGACCTGTGTGCTTGTACTGAAATAAAAGAAGTATTTTTTCCC
 CAGAGTCTTTTAGGACGTTATGACTTTTCTCCTTTGCAAGACTGCAAAAACTGACAAG
 AAGACAAAACCTTCCCCTCCAGGGACCGCTTGTCTTGAAGTTGGCTAGTAAAGGCT
 AGCAAGTGAAGCTTGTCTCTGCATCCCCGTTCCCCTAACATCCTCAGAGAACCTTCG
 TTAGTAGAATCTTCTAGTATTCAGAGACTTCTCCAGGGTCATGATCCCAAAGGCTTACC
 CNGTTACAGGGANAAGAGTTGTCTCCCTGACGCCCAAATGGCAGCTAAAATGGGAGATA
 ACTTTAAGCTCCACACTGAGGCTTCTCCAGCGAGAGAGACCCTTATGCCAACTAGAGAA
 G

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003450 unedited
 ACGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTTCTGGTAGATCACTCATCTTTATTA
 AAGAAGTGTGCTCATGATAAAAAATTGTCTGGTATGACAGCAAATGCATAACTATATATA
 TAGAATTTATCCCTTAACATATTTAGAGGATAAAGCAACAGAGGGACGATTTAACAGTA
 AGCGGGCCACCTGCAGGATTGCTCTGATTCTCTCTCAGTAGTTACTCCTTGTCTCTGCA
 GAGACTTAAGTTCTTTGCCCCAGTGCCAGACCTGCCTTCTCTCACCTGTATCAT
 GCACGGTTGGGCCTGGTTGGCCTTTTCTGGGCCTCCTCACAGCAGAATGTGCATCATCA
 TTCCTCAAGGGCCTCGTGCTTTCCTTGTAAAGTCACACAGTTTTTGTGATTTACATGCAAG
 TAAGGGGGAGGAGAAACACAAACACCTCCGTGTGAATCTAAAGCATGGAGTGCTCCTTT
 TATTCCCCATGGTGAAGTCGGTATGCTGGTGAAGTTTGAAGCTGCGGAAAGCTTTTC
 CACTGGCCACACTGGTATGGCTTCTCTCCAGTGTGGATCCTCTGGTGCATCTCAAGT
 TTGACTGCCCCGCAAAGCAGTTTCCACACTCCTCGCACGTGAGGGTCTCTCTCTGTGA
 GAACTCTTTGGGCTTTTTACCTCTGAATTTACGTGAAGCCTTTCCCAAGCTCTCAC
 ATTTGTTAGGTTTTCTTTGCTGAACGGTTGGGCTGGTGACCAATTATTGTCAAACCGTGG
 CTAACAAACCGGTTAACCTCTTAGCTTTTCTTAACTCTCTAAAAGGGGGCTTCTTAGGGG
 CTGTGATGATTTCCACCCTGGCAGCCTCTGTATAGACAAAGGGTTTTGAGCTTAGGGAA
 CTAACCTGCTCCGACAACAAGGTAATCTATTTGCCCTCTGTTAGGATTGGAACTTTCT
 TCTGGTTGCACTTACCTGAAGGCTTTCTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_003450

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: [NM_003450.1](#), [NP_003441.1](#)

RefSeq Size: 2264 bp

RefSeq ORF: 1224 bp

Locus ID: 7727

UniProt ID: [Q15697](#)

Cytogenetics: 16p13.3

Domains: LER, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: This gene encodes a protein with three Cys2-His2-type zinc fingers in the carboxy-terminus, a putative nuclear localization signal, and an amino-terminus SCAN box which forms homodimers. This protein is believed to function as a transcriptional repressor. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Dec 2016]

Transcript Variant: This variant (1) encodes the longest isoform (a).