

Product datasheet for **SC124518**

ZNF274 (NM_133502) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF274 (NM_133502) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF274
Synonyms:	HFB101; ZF2; ZKSCAN19; ZSCAN51
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 SC124518 sequence for NM_133502 edited (data generated by NextGen Sequencing)

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ATGGCCTCCAGGCTTCCGACGGCCTGGTCTGTGAACCAAGTGACCTTTGAAGATGTAACA
CTGGGTTTTACCCCGAAGAGTGGGGACTGCTGGACCTCAAACAGAAGTCCCTGTACAGG
GAAGTGATGCTGGAGAATACAGGAACCTGGTCTCAGTGAACATCAGCTTTCAAACCA
GATGTGGTATCTCAGTTAGAGGAGGCAGAAGATTTCTGGCCAGTGGAGAGGAATTCCCT
CAAGACACCATTCCAGAGTATCCTGAGCTCCAGCTGGACCCTAAATTGGATCCTCTTCCT
GCTGAGAGTCCCCTAATGAACATTGAGGTTGTTGAGGTCCTCACACTGAACCAGGAGGTG
GCTGGTCCCCGGAATGCCAGATCCAGGCCCTATATGCTGAAGATGGAAGCCTGAGCGCA
GATGCCCCCAGTGAAGGTCACACAGCAGGGCAAGCATCCAGGTGACCTGAGGCCGCG
CGCCAGAGGTTCCGGCAGTTCGGTTATAAAGGACATGACAGGTCCCGGGAGGCCCTGGAC
CAGCTCCGAGAGCTGTGTACCAGTGGCTACAGCCTAAGGCACGCTCCAAGGAGCAGATC
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CACAAAGGGAGCCAAGTTTGCCGATGCAGTGAATGTGGTAAAATATTCCGGAACCCAAGA
TACTTTTCTGTGCATAAGAAAATCCATACCGGAGAGAGGCCCTATGTGTGTCAAGACTGT
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AGACCATTTGAATGTCAGGAGTGTGGGAGACCTTCAATGATCGCTCAGCCATCTCCAG
CACCTGAGGACTCACACTGGCGCTAAGCCCTACAAGTGTGAGGACTGTGGAAAAGCCTTC
CGCCAGAGCTCCACCTCATCAGACATCAGAGGACTCACACCGGGGAGGCCCATATGCA
TGCAACAAATGTGGAAAGGCCTTCAACCAGAGCTCACACCTTATTGGGACCAGAGAACC
CACAATAGGACAAAGCGAAAGAAGAAACAGCCTACCTCATAG
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Clone variation with respect to NM_133502.1
417 t=>c

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_133502 unedited ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCTAACCGGCCAGTCAAGATG GCCGCGCTGGGTGAGGCAAGCTGGCGCGCCGCGGGGGCGTCTGGGAGTTGTAGTTCGGG ACGGCGGGCTGACGCACTTCGCCCGCGCCGACGGGCCATTGTGCGGCGCGCGCCGGG ACTCTGCCACTTCCACCAGAGACACATTGAGAAGGAGGAAACTATGGCCTCCAGGCTTC CGACGGCTGGTCTGTGAACCACTGACCTTTGAAGATGTAACACTGGGTTTTACCCCGG AAGAGTGGGGACTGCTGGACCTCAAACAGAAGTCCCTGTACAGGGAAGTATGCTGGAGA ACTACAGGAACCTGGTCTCAGTGAACATCAGCTTTCAAACCAGATGTGGTATCTCAGT TAGAGGAGGCAGAAGATTCTGGCCAGTGGAGAGAGGAATTCCTCAAGACACCATTCCAG AGTATCCTGAGCTCCAGCTGGACCCTAAATTGGATCCTCTTCTGCTGAGAGTCCCCTAA TGAACATTGAGGTTGTTGAGGTCTCACACTGAACCAGGAGGTGGCTGGTCCCCGGAATG CCCAGATCCAGGCCCTATATGCTGAAGATGGAAGCCTGAGCGCAGATGCCCCAGTGAGC AGGTCAAACAGCAGGGCAAGCATCCAGGTGACCCCTGAGCCGCGCCAGAGTTCGGCA GTTCCGTTATAAGGACATGACAGGTCCCCGGGAGGCCCTGGACCAGCTNCGAGAGCTGTG TCACCAGTGGCTACAGCCTAAGGCACGCTCCAGGAGCANATCCTGGAGCTGCTGGTGCTG GAGCAGTTNCCTAGTGCCTGCCTGTGAAGCTCCGGACATGGGTGGGATCGCCACACCCA NAGAACTGCACAGAGTGGTGGCCTGNTANAGGGTGGGACCTGNAGTNTCTGAGANGATTA CTTCTGCAGAACAACCTGCCGAGCCACAACCTGTGGCTCN
Restriction Sites:	NotI-NotI
ACCN:	NM_133502
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:	<u>NM_133502.1</u> , <u>NP_598009.1</u>
RefSeq Size:	2839 bp
RefSeq ORF:	1962 bp
Locus ID:	10782
UniProt ID:	<u>Q96GC6</u>
Cytogenetics:	19q13.43
Domains:	KRAB, LER, zf-C2H2

Protein Families: Transcription Factors

Protein Pathways: Neurotrophin signaling pathway

Gene Summary: This gene encodes a zinc finger protein containing five C2H2-type zinc finger domains, one or two Kruppel-associated box A (KRAB A) domains, and a leucine-rich domain. The encoded protein has been suggested to be a transcriptional repressor. It localizes predominantly to the nucleolus. Alternatively spliced transcript variants encoding different isoforms exist. These variants utilize alternative polyadenylation signals. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (ZNF274c) encodes the longest isoform (c). Isoform c contains two KRAB A domains.