

## Product datasheet for **SC320278**

### ZNF274 (NM\_016324) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF274 (NM_016324) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF274
Synonyms:	HFB101; ZF2; ZKSCAN19; ZSCAN51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_016324.2  
 AGAGACACATTGAGAAGGAGGAACTATGGCCTCCAGGCTCCGACGGCCTGGTCTGTG  
 AACCAAGTACCTTTGAAGATGTAACACTGGGTTTTACCCCGGAAGAGTGGGGACTGCTGG  
 ACCTCAAACAGAAGTCCCTGTACAGGGAAGTGTGCTGGAGAAGTACAGGAACCTGGTCT  
 CAGTGGAAACATCAGCTTTCCAAACCAGATGTGGTATCTCAGTTAGAGGAGGCAGAAGATT  
 TCTGGCCAGTGGAGAGAGGAATTCCTCAAGACACCATTCCAGAGTATCCTGAGCTCCAGC  
 TGGACCCTAAATTGGATCCTCTTCTGCTGAGAGTCCCCTAATGAACATTGAGGTTGTTG  
 AGGTCCTCACACTGAACCAAGGAGGTGGCTGGTCCCGGAATGCCAGATCCAGGCCCTAT  
 ATGCTGAAGATGGAAGCCTGAGTGCAGATGCCCCAGTGAAGCAGATCCAACAGCAGGGCA  
 AGCATCCAGGTGACCCTGAGCCGCGCCAGAGGTTCCGGCAGTTCGGTTATAAGGACA  
 TGACAGGTCCCGGGAGGCCCTGGACCAGCTCCGAGAGCTGTGTACCAGTGGCTACAGC  
 CTAAGGCACGCTCCAAGGAGCAGATCCTGGAGCTGCTGGTGTGGAGCAGTTCCTAGGTG  
 CACTGCCTGTGAAGCTCCGGACATGGGTGGAATCGCAGCACCCAGAGAAGTCCAAAGAGG  
 TGGTGGCCCTGGTAGAGGTGTGACCTGGATGTCTGAGGAGGAAGTACTTCTGCAGGAC  
 AACCTGCCGAGGGCACCCTGCTGCCTCGAGGCTACTGCCAGCAGGAGGAGAAGCAGG  
 AGGATGCAGCCATCTGCCAGTGAAGTGTCTCCCTGAGGAGCCAGTGACCTTCCAGGATG  
 TGGCTGTGGACTTCAGCCGGGAGGAGTGGGGGCTGCTGGGCCGACACAGAGGACCAGT  
 ACCGCGATGTGATGCTGGAGACCTTTGGGCACCTGGTCTCTGTGGGGTGGGAGACTACAC  
 TGGAAAAATAAGAGTTAGCTCCAAATTCTGACATTCCTGAGGAAGAACCAGCCCCAGCC  
 TGAAAGTACAAGAATCCTCAAGGGATTGTGCCTTGTCTCTACATTAGAAGATACCTTGC  
 AGGGTGGGGTCCAGGAAGTCCAAGACACAGTGTGAAGCAGATGGAGTCTGCTCAGGAAA  
 AAGACCTTCTCAGAAGAAGCAGTTCGACAACCCGTGAGTCCCAGGCAACAGTGGTGTCT  
 TTGACACAAACCAAGTTTCGCTCCAGAAAATTGACAACCCGTGAGTCCCAGGCAACAGTGT  
 GCGCTCTTGACACAAACCAAGTTTTGCTCCACAAAATTCTCCTAGAAAACGATTGCGCA  
 AACGTGACTCACAGTTAAAAGTATGAAACATAATTCACGTGTAAAAATTCATCAGAAGA  
 GCTGTGAAAGGCAAAAGGCCAAGGAAGCAATGGTTGTAGGAAAACCTTCAGTCGGAGTA  
 CTAACAGATTACGTTTATAAGAATTCACAAGGGGAGCCAAGTTTGCCGATGCAGTGAAT  
 GTGGTAAAATATCCGGAACCAAGATACTTTCTGTGCATAAGAAAATCCATACCGGAG  
 AGAGGCCCTATGTGTCAAGACTGTGGGAAAGGATTTGTTTCCAGAGCTTCCCTCACAC  
 AGCATCAGAGAGTTCATTCTGGAGAGAGACCATTTGAATGTCAGGAGTGTGGGAGGACCT  
 TCATGATCGCTCAGCCATCTCCAGCACCTGAGGACTCACACTGGCGCTAAGCCCTACA  
 AGTGTCCAGGACTGTGAAAAGCCTTCCGCCAGAGCTCCCACCTCATCAGACATCAGAGGA  
 CTCACACCGGGGAGCGCCATATGCATGCAACAAATGTGAAAAGGCCCTCACCCAGAGCT  
 CACACCTTATTGGGCACCAGAGAACCACAATAGGACAAAAGCGAAAAGAAACAGCCTA  
 CCTCATAGCTCTCAAGCCAGTTGAAGAAACCTTGCCCTTTTCCAGCTTGACCCTGCAATATA  
 ACATGCACAGGCCTGCTGTGAATCAGGACTGAATGTGAAAGGGAAGTATTGAGTGAGGA  
 CATTCCCAAAACCAAGGACAACCTGAGGAGACTGCCAGCACATAATGAATAAATAAGAA  
 AATGAGTGAGGAGTTATTAACATCATTTGAAAAAAGATTTCCCATTCACCTTGATATTGT  
 TTGTTCACTCATTAGTCATTAAGTGAAGTGAATTAATAAAATCTGAAAATGTTATATAATA  
 ACTTTAAAAAGCCAGGTAATTAATAATCTGCACTGATATTACATCCACAGTACCACAGTA  
 TTTATGTGTATGAATTAAGGATTAAGATAATGTGGATAAATAAACTATTGATCTATGA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_016324

**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>	<a href="#">NM_016324.2</a> , <a href="#">NP_057408.2</a>
<b>RefSeq Size:</b>	2538 bp
<b>RefSeq ORF:</b>	1647 bp
<b>Locus ID:</b>	10782
<b>UniProt ID:</b>	<a href="#">Q96GC6</a>
<b>Cytogenetics:</b>	19q13.43
<b>Domains:</b>	KRAB, LER, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Neurotrophin signaling pathway
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (ZNF274b) lacks three consecutive exons in the 5' region, which results in a downstream translation start codon, compared to variant ZNF274c. The resulting isoform (b) has a shorter N-terminus and contains only one KRAB A domain, compared to isoform c.</p>