

## Product datasheet for **SC314227**

### ZNF274 (NM\_016325) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF274 (NM_016325) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF274
Synonyms:	HFB101; ZF2; ZKSCAN19; ZSCAN51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

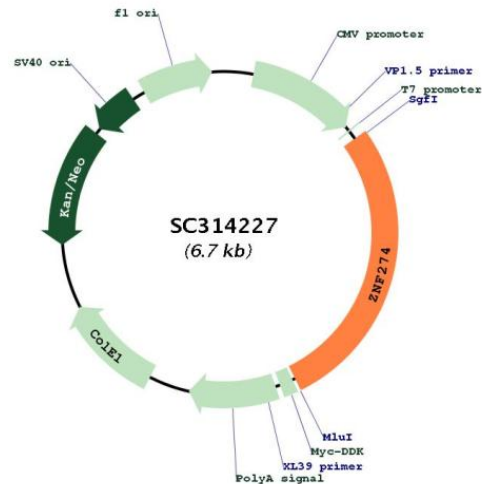


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Fully Sequenced ORF: >SC314227 representing NM\_016325.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCTCCAGGCTTCCGACGGCCTGGTCTGTGAACCAAGTACCTTTGAAGATGTAACACTGGGTTTT
ACCCCGAAGAGTGGGGACTGCTGGACCTCAAACAGAAGTCCCTGTACAGGGAAGTGATGCTGGAGAAC
TACAGGAACCTGGTCTCAGTGGAGTATCCTGAGCTCCAGCTGGACCCTAAATTGGATCCTCTCCTGCT
GAGAGTCCCTAATGAACATTGAGGTTGTTGAGGTCTCACACTGAACCAAGGAGGTGGCTGGTCCCCGG
AATGCCAGATCCAGGCCCTATATGCTGAAGATGGAAGCCTGAGTGCAGATGCCCCAGTGCAGGATC
CAACAGCAGGGCAAGCATCCAGGTGACCCTGAGGCCGCGCCAGAGGTTCCGGCAGTTCGGTTATAAG
GACATGACAGGTCCCCGGGAGGCCCTGGACCAGCTCCGAGAGTGTGTACCAGTGGCTACAGCCTAAG
GCACGCTCCAAGGAGCAGATCCTGGAGTGTGGTGTGGAGCAGTTCCTAGGTGCACTGCCTGTGAAG
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GCACTGCCAGCAGGAGGAGAAGCAGGAGGATGCAGCCATCTGCCAGTGCAGTGTCCCTGAGGAG
CCAGTGACCTTCCAGGATGTGGCTGTGGACTTCAGCCGGGAGGAGTGGGGCTGTGGGCCCGACACAG
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TTCCGGAACCCAAGATACTTTTCTGTGCATAAGAAAATCCATACCGGAGAGAGGCCCTATGTGTGCAA
GACTGTGGGAAAGGATTTGTTCCAGAGCTTCCCTCACACAGCATCAGAGAGTTCATTCTGGAGAGAGA
CCATTTGAATGTCAGGAGTGTGGGAGGACCTTCAATGATCGCTCAGCCATCTCCCAGCACCTGAGGACT
CACACTGGCGCTAAGCCCTACAAGTGTGAGGACTGTGGAAAAGCCTTCCGCCAGAGCTCCCACCTCATC
AGACATCAGAGGACTCACACCGGGGAGCGCCATATGCATGCAACAAATGTGAAAGGCCTTCAACCCAG
AGCTCACACCTTATTGGGCACCAGAGAACCACAATAGGACAAAGCGAAAGAAGAAACAGCCTACCTCA
TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_016325

**Insert Size:** 1866 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).

**OTI Annotation:** 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.

**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\\_016325.3](#)

**RefSeq Size:** 2794 bp

**RefSeq ORF:** 1866 bp

**Locus ID:** 10782

**UniProt ID:** [Q96GC6](#)

<b>Cytogenetics:</b>	19q13.43
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Neurotrophin signaling pathway
<b>MW:</b>	70.5 kDa
<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 (ZNF274a) lacks one in-frame coding exon, compared to variant ZNF274c. The resulting isoform (a) lacks an internal segment, compared to isoform c. Like isoform c, isoform a contains two KRAB A domains.</p>