

Product datasheet for **SC100974**

ZNF549 (NM_153263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF549 (NM_153263) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF549
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 SC100974 sequence for NM_153263 edited (data generated by NextGen Sequencing)

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ATGGCCGAGGCAGCGCTAGTGAATACGCCGAGGGCCATGTGACCTTTGAGGATATTGCT
GTGTACTTCTCCCAGGAGGAGTGGGGCCTCCTTGATGAAGCTCAAAGGTGCCTGTATCAT
GATGTGATGCTGGAGAACTTTTCGCTTATGGCCTCAGTAGGTTGTTTGCATGGAATAGAG
GCTGAGGAGGCCCTTCTGAGCAGACTCTTTCTGCGCAAGGAGTGCACAGGCCAGGACT
CCAAAGTAGTCTCCATCCCAAATGCTCATTCTTGTGAGATGTGTATCCTGGTCATG
AAAGACATTTTGTACCTCAGTGAGCATCAGGGGACACTTCCTGGCAGAAACCTTATACG
TCTGTGGCCAGTGGGAAATGGTTTTTCATTTGGTTCTAACCTGCAACAGCACCAGAACCAG
GACAGTGGAGAGAAACACATCAGAAAGGAGGAGAGCAGTGCCTTGCTTCTGAATAGCTGC
AAAATTCCTGTGACACAATCTTTCCATGCAAAGTGTGAGAAGGATTTTCCAACC
ATCCTGGGCCTTCCAACACCAGACCACCCACAGCAGACAAGAGTATGCACATAGAAGC
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GTTACTGAGCATCAGAGAGTCCACTGGAGAAAAAGCTTATAAGCGTAGGGAATATGGG
AAATCCTTGAACCTAAATACTTATTTGTTGAACACCAGAGAACCATAATGCAGAAAAG
CCTTATGTGTGCAATATATGTGGGAAATCATTCCCTCCATAAACAACACTCGTTGGGCAC
CAGCAGAGAATTCACACTAGAGAAAGGTCTTATGTGTGCATCGAATGTGGGAAATCCTTG
AGCTCAAATACTCACTTGTGGAACACCAGAGAACCATAATGGAGAAAAGCCTTATGTG
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TATGACCCGATTCGACACCAGAGAGTTCACACTGGAGAAGGGCCTTATCAGTGCAGTGAA
TGTGGGAAATCCTTCATATACAAACAGTCACTTCTTGATCACCATAGAATCCACACGGGA
GAAAGGCCTTATGAGTGCAAAGAATGTGGGAAGGCCTTCATTACAAAAAAGACTTCTT
GAGCACCAGAGAATTCATACTGGAGAAAAGCCTTATGTGTGCATCATATGTGGGAAATCA
TTTATCCGCTCGTCTGACTACATGCGACACCAGAGAATTCACACTGGAGAAGGGCCTTAT
GAATGCAGTGACTGTGGGAAAGCCTTCATCTCAAACAAACACTTCTTAAGCATCACAAA
ATCCCACTAGAGAAAGGCCTTATGAATGCAGTGAATGTGGAAAAGGCTTCTACCTTGAG
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GAAAAGCCCTGTGAGTGCAGTGAATGTGGGAAATGCTTTAGACACCGCACCAGCCTCATT
CAACACCAGAAAAGTTCACAGTGGAGAGAGGCCTTATACTGCACTGCATGTGAGAAGGCC
TTTATCTATAAAAAACAACTTGTGAGCATCAGCGAATCCACACCGGAGAAAAGCCGTAT
GAATGTGGTAAATGTGGGAAAGCCTTCAACAAAAGATATTCCTTGTGAGGCACCAGAAG
GTACATATAACAGAAGAGCCCTAG
    
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Clone variation with respect to NM_153263.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153263 unedited
 TTGTAATACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGCGTCCGCGGGCTGGG
 CGTTTCCGGCTCGCTGGGTCCGGGCCAGGTAAGTGGAGCCGAAACCGGTGGAGGTGGT
 TCCGCCCGCAGAGGAGCTTGCTGGTCTCGGTCTGAGCGTCGCCAGCGATTTGCCACCG
 CACGCACGCCGGATCCCGGGCTTTACCGCCCGCCTTTCCAGGCCCGCCCGCCTAAAGT
 CCCATGGCCGAGGCAGCCTAGTGAATACGCCGAGGGCCATGTGACCTTTGAGGATATT
 GCTGTGTACTTCTCCAGGAGGAGTGGGGCCTCCTTGATGAAGCTCAAAGGTGCCTGTAT
 CATGATGTGATGCTGGAGAACTTTTCGCTTATGGCCTCAGTAGGTTGTTGCATGGAATA
 GAGGCTGAGGAGGCCCTTCTGAGCAGACTCTTCTGCGCAAGGAGTGTACAGGCCAGG
 ACTCAAAGCTAGGTCTTCCATCCCAAATGCTCATTCTTGTGAGATGTGTATCCTGGTC
 ATGAAAGACATTTGTACCTCAGTGAGCATCAGGGGACACTTCCCTGGCAGAAACCTTAT
 ACGTCTGTGGCCAGTGGGAAATGGTTTTTCATTTGGTTCTAACCTGCAACAGCACCAGAAC
 CAGGACAGTGGAGAGAAACACATCAGAAAGGAGGAGAGCAGTGCCTTGCTTCTGAATAGC
 TGCAAAATTCCTCTGTACAGACAATCTTTCCATGCAAAGATGTTGAGAAGGGATTTTCCA
 ACCATTNCTGNGCCTTCTNNCACACNCAGACACCCACAGCAGACAGAGTATGCACATAG
 AGCAGGGAGACCTTCAACAAAAGACGTACAATGTGAACCAGTTTTATGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_153263 unedited
 GGAACCTCAGTGTNGTCGGCCGCAATCNAGGATCGGTTTTTTTTCTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTATATACCCCGTTTTTCTTATCTGTTCTTTTTG
 TTTTTGTTTTGTTTTTAAAAAGTGTCACTCTGTCCCCAGGCTGGAGTGAATGGCCC
 GACCTTGGCTCATTGCAACCTCCGCCCCCAGGTTTAATTTATTTTCTGCCTCAACCTC
 CTGTGGAGCTGGGATTACAAATGCCCCCAACCCCTGGCTAATTTTTGTATTTAAGT
 AAAAAGTGGATTTACCATGTTGGTCAGGCTGGTCTCAAACCTCCTGACCTCAGGGGATCC
 ACCTGCCTTGGCCTCCCAAAGTGTGGGATTACCGGGATGAGCCACCGGCCCCAGCCTAT
 TCACACATTTTTTAAAAACAAACACTTTCTGGGATAACATGACTTTTAAACCCATTTA
 CTGGGCAATAAACATACAGACCGTTCTTAAAAAATAAAAGGTTTTGTGTATGAAAAT
 GCGCCTCAATGTTTTAAAAAATGGTTCACACAAAAAATATGCCTCTTCTCCTTTTT
 GAAAAACCCCTTTGGGATTACCCCGGATTTACTTATTATTAAGGGTTCCTCCCTCC
 CAAATTTAGAAGGACAACCTTTTACCCGTGGCCATTAACGGGGAATAATAAAAAATATT
 CTAAGTGGCCCAAGAATTTGGGTGGAACAAAATAACCAATATTTTTGAAAGGCAAG
 GGTAATTTTTTTCAAATCTGGTTTTTCTGGCGGGCCGGAATATTTCTAAAACCCG
 TCCTTAGGTTTTGAATCCCCAAAATTTTTAAACCCTTATCCCCAACATTGGCGTTGTT
 AAAGGAAACTCCAGGCCTTT

Restriction Sites:

NotI-NotI

ACCN:

NM_153263

Insert Size:

4200 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_153263.1](#), [NP_694995.1](#)

RefSeq Size: 3969 bp

RefSeq ORF: 1884 bp

Locus ID: 256051

UniProt ID: [Q6P9A3](#)

Cytogenetics: 19q13.43

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) contains an alternate exon] in the 5' coding region, compared to variant 1. Isoform 2 has a shorter N-terminus, compared to isoform 1.