

Product datasheet for SC114688

ZNF365 (NM_014951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF365 (NM_014951) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF365
Synonyms:	Su48; UAN; ZNF365D
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114688 sequence for NM_014951 edited (data generated by NextGen Sequencing)

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ATGCAACAGAAGGCTTTTGAGGAAAGCAGATATCCCTGGCAGGAGTCCTTTGAGAATGTT
GCTGTGTGCCATTACGCTGCCCGAGGTGTGGAGACCATAACCAGATTTAGAAGCTTG
TCATCCTTGAGGGCCCATCTGGAGTTCAGTCACAGCTACGAAGAAAGAACCCTCTTGACA
AAATGCAGTCTCTTTCCATCCCTCAAAGACACAGACCTAGTCACTTCTCAGAACTCCTG
AAACCGGAAAATTGCAGAGCAGTGGCAACGTGGTAAAGCAGAAACCGAGCTATGTTAAC
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AGGCCTGTGCTCTATGTGCAGACCTACACTGCCATGGACCTCCATGCAGACTCGCTGGAT
GGGACACGGTCGGTCTGGACTGCCACCTCAGACACCAAAGCTTCTTTGAGGCACAT
GTCAGAGAAAAATCAATCGAATGGTTGAGGCTGTGGATAGGACCATTGAGAAGAGAATT
GATAAACTCACCAAAGAGTTGGCCAGAAAAGTCCGGAAGTTCGGGCAGCT
TTTGTGCAGCTGACTCAGAAAAAGCAGGAAGTTCAGAGACGAGAGCGGGCCTTAAACAGA
CAGGTGGACGTGGCCGTGGAAATGATAGCTGTACTGAGGCAACGCCTGACGGAACTCTGAG
GAGGAGCTTCTTAGGAAAGAAGAAGAAGTTGTCACATTCACCATTTCTGGAAGCGGCA
GCTGAGAAGGAGGTTCAAGGGAAAGCCCGGCTCCAGGACTTTATTGAGAACTGTGTACAG
CGGGTAGAACTGGCGGAGAAGCAGCTTGAGTACTATCAGAGCCAGCAGGCCTCTGGCTTT
GTCCGTGATCTCAGCGGGCACGTGCTTACAGACATCTCCTCAAATAGGAAGCCCAATGC
CTAAGCCGAGGGCACCCGATTCGGTATGTAACCACCTGATCTCAAGTCCCATTCCAC
CCAAAGGGAAGGAACCCTGAAAAAGGCAAGGATGACAGAGCCAGCATGCAGCCTGCC
AAGGCCATTACGAACAGGCTGAGTCTCAAGAGACCTCTGCAGACCTCAAAGAAAGGG
GAGCTCTGGGGTTTGGCCGCAAAGGCAACATCAGGCCAAAATGGCTAAAAAAAAGCCA
ACAGCCATTGTGAACATCATCTAA

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Clone variation with respect to NM_014951.2

1009 g=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014951 unedited
 GTAATTTGTATACGACTCACTATAGCGGCCGCGAATTCGCACGAGGTCGGGCTCCCGGC
 TGGGTGGCGGGGGGGCAGATGATGCTCCCGCCAGCTGGGCAGAGCAAGGTGTTCCCGC
 CGGAGGTGGCAGCCCTGGGCCGCGGCGTTCCGGAACCCCGCACCCACGGCGCGGTGCC
 CACGGTGGCCGAGCGCCGCCCGCTGGCTAGCCGCGCCTCGTCCGCCCTGGACGCC
 GCCGTCCCGGCGGAGGTGCGGCGGAGAGTGGGAGCCCGCCCGGCTCAGTCTGATTTA
 CGGCTCTGCTGAAAAACCGCTTCGCTTCCGCAGCATCAGCACCCGNAGCGGCNGCTGCAG
 CAGCAGCAACAAGTCGGGACTTTTAGAGTAATGCAACAGGAAGGCTTTGAAGGAAGCACA
 TATTCTGGCAGGAGTCCCTCGAGAATGTTGCTGTGTGCCTGCCATTACGCTGCCGGAAG
 TGTGGAACCATACCAGATTTAGAAAAGCTGGCATTCTTGAGGCCCATCTTGAGGTTAGTC
 CACAGTACGAAGAAAGAACCTTTTGCAAAATGCAGGCTTTTTTCATTCTTAAAAAAC
 AGAACCTAATCACTTTCTTAAACTCCCTGAAACCGGAAAAAATGCCAAAACCATGGG
 CAACCCGGGTAAAACAAAAAACCAAGCTTTGTGTAAGTTGGGACACGATTTTACAA
 TGGACCATCCCAAGGGACAGGAAGCCCTTTTTAAGGTGGTGGGCAAAAAAGCCCTGGT
 TCCTATAGTGGCAACCTACACTTGCCATGGGACCTTCTTGCAAACTCTTTGGATAGA
 GAACACGGGTCGGGTCCTTGTACTTGCCACCTATCACACCATAGCTTCTTGTGAGG
 CAACATGTAAGAGAAAAATCTAATCGAATGGGTGGAGGCTGGGATAGGCACAATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014951 unedited
 TATGGACCGCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTAGNCAG
 AAATATAGCTTTATTATCATAATATTTTATAATCTAAAACTTCTTAATTCTGGAACAG
 AATATTCCAACCTCTGTACAAGTACTGGCCCTGCAGAATACTGGAAAACAATGTCTAAG
 CAACTTGAACCTTGCAGATAAAGAACCTGTAACCTAGTTTGGGAAAAAGGAAAAAGCAAG
 AAAAGCGGTTCAAAGGAAGATTTCTTCCCTACAAGACAAATAAAATTAATCTACTCTCC
 ATTTCAACCTTGAACATAGTTTCCAGAAACTTTGGTGATTTCTCAAAAAAGCAACCGC
 CTTAACTTAAGGTCAACGGCCCATGTGGACAAAGAAAATATTTAAAAAATAGACACAAA
 CAGGACATGGTACTTAGCTCAGGCCATGGTATGTTAAGTGGAGTATGCTTCTGAGTAAGC
 CATCTCCCATGTTTTGACACTAAATTTATGTCTCTAAGGAGGCACAACATACATAACACA
 TTTCTTTATATGGGGTCAAAATTTAGTGGGAACGTAAAAAACATTTTAAATAATAAAC
 AAATCTCAAAATAATTCGTCTTGTGAAATGTAGAGTAGGATGACATTATGGTACTTTCTG
 AAGATCATGGGGTACCCTGTCAAAGAGAAGTCCATGCCCTCTATGTTAGATGAAAAATC
 CAAAATGTCAGTTACTTTAAATAAAACAGAANACAGTTGTCATTGCACACACATTACAGG
 ACAAAGAGCATGCAATACAATAACAAGTCATGTTTTTAGTATGTAAAGNNCTANNGTG
 CATCATGGTATAAGCATNNCATATAAATACTTAAGGGGGGAAAGTATTCTCCAATAATA
 AATATATACATTACATTTTACATGGTAGCCTAACGTGCTATCACAGCATGTTTTGCCACT
 GAAGCTGCTATTATACAAGATGATCC

Restriction Sites:

NotI-NotI

ACCN:

NM_014951

Insert Size:

4530 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_014951.1](#), [NP_055766.1](#)

RefSeq Size: 4158 bp

RefSeq ORF: 1224 bp

Locus ID: 22891

UniProt ID: [Q70YC5](#)

Cytogenetics: 10q21.2

Domains: zf-C2H2

Gene Summary: This gene encodes a zinc finger protein that may play a role in the repair of DNA damage and maintenance of genome stability. The N-terminal C2H2 zinc finger motif is required to form a protein complex with PARP1 and MRE11, which are known to be involved in the restart of stalled DNA replication forks. A mutation in this gene may be associated with breast cancer susceptibility. [provided by RefSeq, Mar 2020]
Transcript Variant: This variant (A) differs in the 3' coding region and UTR compared to variant C. The resulting protein (isoform A) is shorter and has a distinct C-terminus compared to isoform C.