

## Product datasheet for SC307980

### ZNF365 (NM\_199450) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF365 (NM_199450) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF365
Synonyms:	Su48; UAN; ZNF365D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307980 representing NM_199450. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAACAGAAGGCTTTTGAGGAAAGCAGATATCCCTGGCAGGAGTCCTTTGAGAATGTTGCTGTGTGC
CTGCCATTACGCTGCCCGAGGTGTGGAGACCATAACCAGATTTAGAAGCTTGTATCCTTGAGGGCCCAT
CTGGAGTTCAGTCACAGCTACGAAGAAAGAACCCTCTTGACAAAATGCAGTCTCTTTCCATCCCTCAA
GACACAGACCTAGTCACTTCCCTCAGAACTCCTGAAACCGGAAAATTGCAGAGCAGTGGCAACGTGGTA
AAGCAGAAACCGAGCTATGTTAACTTGTACAGCATTTACATGAACATTCGAAGGACAGGAAGCCATTT
GAGGTGGTGGCAGAGAGGCCTGTGCCTATGTGCAGACCTACACTGCCATGGACCTCCATGCAGACTCG
CTGGATGGGACACGGTCCGGTCTGGACTGCCACCTCAGACACCAAAGCTTCTTTGAGGCACATGTC
AGAGAAAATTCGAATCGAATGGTTGAGGCTGTGGATAGGACCATGAGAAGAAATTGATAAACTCACC
AAAGAGTTGGCCAGAAAAGTGCAGAACTGTTGGAAGTTCGGGCAGCTTTTGTGCAGCTGACTCAGAAA
AAGCAGGAAGTTCAGAGACGAGAGCGGGCTTAAACAGACAGGTGGACGTGGCCGTGAAATGATAGCT
GTACTGAGGCAACGCCTGACGGAATCTGAGGAGGAGCTTCTTAGGAAAGAAGAAGATTGTACATTC
AACCATTTCTGGAAGCGGCAGCTGAGAAGGAGTTCAAGGAAAGCCCGGCTCCAGGACTTTATTGAG
AATCTGTTACAGCGGGTAGAACTGGCGGAGAAGCAGCTTGAGTACTATCAGAGCCAGCAGGCCTCTGGC
TTTGTCCGTGATCTCAGCGGCACGTGAGCTGGAAGGTGCTGGCAAGCTCGCCTGGTGTGCCAAAAT
GACCTGGAATTGGAGGAGTCTGCGATTGTGGAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_199450



<b>Insert Size:</b>	1002 bp
<b>OTI Disclaimer:</b>	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>	<u><a href="#">NM_199450.2</a></u>
<b>RefSeq Size:</b>	1726 bp
<b>RefSeq ORF:</b>	1002 bp
<b>Locus ID:</b>	22891
<b>UniProt ID:</b>	<u><a href="#">Q70YC5</a></u>
<b>Cytogenetics:</b>	10q21.2
<b>MW:</b>	38.2 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (B) differs in the 3' coding region and UTR compared to variant C. The resulting protein (isoform B) is shorter and has a distinct C-terminus compared to isoform C.</p>