

## Product datasheet for **SC304004**

### ZDHC8 (NM\_013373) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHC8 (NM_013373) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHC8
Synonyms:	DHC8; ZDHC1; ZNF378
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC304004 sequence for NM\_013373 edited (data generated by NextGen Sequencing)

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ATGCCCCGACGCCCCGGGACGCGCCTCAAACCCGCCAAGTACATCCCGGTGGCCACGGCCGCGCTGC
TGGTCGGCTCCAGCACCTCTTCTTCGTGTTACGTGCCCGTGGTTGACACGAGCTGTGTCCCAGCTGT
TCCCGTACAATGGCATCATCTTCTCTTTGTCTGGCCAACTCAGCATGGCCACTTTCATGGACCCT
GGTGTTCCTCCCGAGCGGATGAGGATGAGGACAAGGAGGACACTTCCGGGCTCCGCTGTACAAGAAGC
TGGATGTGCGAGGTATCCAGGTCCGCATGAAGTGGTGTGCCACGTGCCACTTCTACCGCCCGCGGCTG
CTCCCACTGCAGCGTCTGTGACAACTGTGTAGAGGACTTTGACCACCACTGCCCTGGGTCAAACTGC
ATCGGGCGTCAAACCTATCGCTACTTCTTCTGTCTGCTGTCAGTGCACACATGGTGGGCGTGC
TGGCCTTCGGCCTGGTCTACGTGCTGAACCAGCTGAGGGGCTGGGAGCCGCGCACACCACCATCACCAT
GGCTGTATGTGTGGCCGGCCTTCTTTCATCCCTGTATTGGCCTACTGGCTTCCATGTGGTGTG
GTCAGTCCGGGGCGCACCAACGAGCAGGTGACTGGGAAGTCCGGGGGGTGTGAACCTTTCACCC
GAGGCTGTGTGGGAATGTGGAGCAGTGTGTAGCCCTGGCGCCCGGTACGTGGTGGAGCCACC
CCGGCTGCCGCTCGCGGTGAGTTTGAAGCCGCTTTCCTTAGGCCTGAATCCTGGACCGAGCTGCACCG
CTCAAGGTCAAGCTTAGTGACAACGGGCTGAAGGCTGGCCTGGGCGTAGCAAGTCCAAGGGCAGCCTGG
ACCGGCTGGATGAGAAGCCACTGGACTTGGGGCCACCACTGCCCCCAAGATAGAGGCTGGCACGTTTCA
CAGTGACCTGCAGACCCCGCCAGGCAGTGTGAGAGTGGCCTGTCCGTGCAGAGGACCAGCCCCCG
ACACCTGCCATGTACAAGTTTAGGCCGGCTTCCCCACGGGTCCCAAGGTGCCCTTCTGTGGACCAGGCG
AGCAGGTTCCAGGCCCTGATTCCCTGACCCTGGGGGACGACAGCATCCGTAGCCTGGACTTTGTGTCCGA
GCCGAGCCTGGACCTCCCTGACTATGGCCAGGGGGCTGCATGCAGCCTACCCGCCATCCCACCGCTC
AGCGCCTGTATGCCTTCTCGGGCGCTTTCGCTCCCTGAGCCTCAAGGCCTCGAGCCGGCGGGGGGGG
ATCATGTGGCCCTGCAGCCCTGCGCTCTGAGGGGGGGCCCCCACGCCCCACCGTAGCATTTTTGCCCC
CCATGCACTGCCAACCCGAACGGCAGCCTGTCCTATGACAGCCTGCTCAATCCTGGCTCGCCTGGTGGC
CACGCTGCCCTGCCACCCAGCAGTTGGCGTGGCCGGATACCACTCACCTACCTGCATCCTGGGGCAA
CGGGGACCCGCCACGGCCCTACCCCGCAGTTCAGCCCGTGTGGGCCCCCGCCCCGGGAGCCCTC
GCCTGTGCGCTACGACAACCTGTCCAGGACCATCATGGCATCCATCCAGGAGCGCAAGGACAGGGAGGAG
CGTGAGCGCTGTGCGCTCCAGGCCGACTCACTTTCGGCGACTCAGGCGTCTATGACGCTCCAGCT
CCTACAGCCTGCAGCAGGCCAGTGTGCTGTCCGAGGGCCCCGAGGTCGGCGCTGCGCTATGGCTCCAG
AGACGACCTTGTGGCTGGGCCCGCTTCGGTGGCGCCCGCAACCTGCCCTGCAGAGTCACTGTCTCG
CTGTCCAGCTCCGTGAGCCGTGCACCGCGACGTGCTCCTCCTGCAGGCTGATCAGGCCAGCAGCA
ACGCCCGGGGCCCCGGCCAGCAGTGGCTCACACAGGTACCTGCACGCCAGGGCCTGCCCTCCCCGCC
CGGCACTCCCACTACCATCCTACGCGGGCCCCAAAGCTGTGCGCTTCCATCCACACGGACCTCCAGAG
CCACCGCCCTCGCTGACCGTGCAGAGGGACCACCTCAGCTGAAGACTCCCCAAGTAAGCTTAATGGGC
AGTCCCCGGGCTGGCCCGGCTGGGACCTGCCACCGGCCCCCCAGGGCCTTGCAGCCCTACACGGCA
CACGCTGGTTAAGAAGGTGTCCGGCGTGGGTGGGACCCTACGAGATCTCGGTGTA
    
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Clone variation with respect to NM\_013373.3

- Restriction Sites:** Please inquire
- ACCN:** NM\_013373
- Insert Size:** 3500 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_013373.2.

<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_013373.2</a></u> , <u><a href="#">NP_037505.1</a></u>
<b>RefSeq Size:</b>	5029 bp
<b>RefSeq ORF:</b>	2298 bp
<b>Locus ID:</b>	29801
<b>UniProt ID:</b>	<u><a href="#">Q9ULC8</a></u>
<b>Cytogenetics:</b>	22q11.21
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a four transmembrane protein that is a member of the zinc finger DHHC domain-containing protein family. The encoded protein may function as a palmitoyltransferase. Defects in this gene may be associated with a susceptibility to schizophrenia. Alternate splicing of this gene results in multiple transcript variants. A pseudogene of this gene is found on chromosome 22.[provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>