

Product datasheet for **RC208805**

ZDHC8 (NM_013373) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHC8 (NM_013373) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZDHC8
Synonyms:	DHC8; ZDHC1; ZNF378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC208805 representing NM_013373
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCCGACGCCCGGGACGCGCCTCAAACCCGCCAAGTACATCCCGGTGGCCACGGCCCGCCGCTGC
 TGGTCCGGCTCCAGCACCCCTCTTCTTCGTGTTACAGTGCCCGTGGTTGACACGAGCTGTGTCCCCAGCTGT
 TCCCGTCTACAATGGCATCATCTTCTCTTTGTCTGGCCAATTTCAGCATGGCCACTTTTCATGGACCCCT
 GGTGTTTTCCCCGAGCGGATGAGGATGAGGACAAGGAGGACGACTTCCGGGCTCCGCTGTACAAGAACG
 TGGATGTGCGAGGTATCCAGGTCCGCATGAAGTGGTGTGCCACGTGCCACTTCTACCGCCCGCCGCGCTG
 CTCCCAGTGCAGCGTCTGTGACAACTGTGTAGAGGACTTTGACCACCACTGCCCTGGGTCAACAACTGC
 ATCGGGCGTCGAAACTATCGCTACTTCTTCTGTCTCTGCTGTCAGTGCACACATGGTGGGCGTCCG
 TGGCCTTCGGCCTGGTCTACGTGCTGAACCACGCTGAGGGGCTGGGAGCCGCGCACACCACCATCACCAT
 GGCTGTATGTGTGGCCGGCCTTTCTTCATCCCTGTCAATTGGCCTCACTGGCTTCCATGTGGTGTCTG
 GCACTCGGGGGCGCACCAACGAGCAGGTGACTGGGAAGTTCGCGGGGGGTGTGAACCTTTTACCC
 GAGGCTGTGTGGGAATGTGGAGCACGTGCTGTGTAGCCCCCTGGCGCCCCGGTACGTGGTGGAGCCACC
 CCGGCTGCCGCTCGCGGTGAGTTTGAAGCCGCCTTTCTTAGGCCTGAACTCCTGGACCGAGCTGCACCG
 CTCAAGGTCAAGCTTAGTGACAACGGGCTGAAGGCTGGCCTGGGCGTAGCAAGTCCAAGGGCAGCCTGG
 ACCGGCTGGATGAGAAGCCACTGGACTTGGGGCCACCCTGCCCCCAAGATAGAGGCTGGCACGTTTCAG
 CAGTGACTGCAGACCCCGCCAGGCAGTGTGAGAGTGCCCTGTCCGTGCAGAGGACCAGCCCCCGG
 ACACCTGCCATGTACAAGTTTAGGCCGGCTTTCCACGGGTCCAAGGTGCCCTTCTGTGGACCAAGCGA
 AGCAGGTTCCAGGCCCTGATTCCTGACCTGGGGGACGACAGCATCCGTAGCCTGGACTTGTGTCCGA
 GCCGAGCCTGGACCTCCCTGACTATGGGCCAGGGGGCCTGCATGCAGCCTACCCGCCATCCCCACCGCTC
 AGCGCCTCTGATGCCTTCTCGGGCGCTTTGCGCTCCCTGAGCCTCAAGGCCTCGAGCCGGCGGGGGGGG
 ATCATGTGCCCTGCAGCCCTGCGCTCTGAGGGGGGGCCCCACGCCACCCTAGCATTTTTTCCCC
 CCATGCACTGCCAACCGCAACGGCAGCCTGTCTATGACAGCCTGCTCAATCCTGGCTCGCTGGTGGC
 CACGCTGCCCTGCCACCCAGCAGTTGGCGTGGCCGGATACCACTCACCTACCTGCATCCTGGGGCAA
 CGGGGACCCGCCACGGCCCTACCCCGCAGTTCAGCCCCGTGCTGGGCCCCCGCCCCGGGAGCCCTC
 GCCTGTGCGCTACGACAACCTGTCCAGGACCATCATGGCATCCATCCAGGAGCGCAAGGACAGGGAGGAG
 CGTGAGCGCTGTGCGCTCCCAGGCCGACTACTTTCGGCGACTCAGGCGTCTATGACGCTCCCAGCT
 CCTACAGCCTGCAGCAGGCCAGTGTGCTGTCCGAGGGCCCCGAGGTCCCGCGCTGCGCTATGGCTCCAG
 AGACGACCTTGTGGCTGGGCCCGGCTTCGGTGGCGCCCGCAACCCTGCCCTGCAGACGCTACTGTCTCG
 CTGTCCAGCTCCGTGAGCCGTGCACCGCGGACGTGCTCCTCCTCCCTGCAGGCTGATCAGGCCAGCAGCA
 ACGCCCCGGGGCCCCGGCCAGCAGTGGCTCACACAGGTACCTGCACGCGAGGGCCTGCCCTCCCCGCC
 CGGCACTCCCCACTACCATCCTACGCGGGCCCCAAAGCTGTGCGCTTATCCACACGGACCTCCCAGAG
 CCACCGCCCTCGCTGACCGTGCAGAGGGACCACCTCAGCTGAAGACTCCCCAAGTAAGCTTAATGGGC
 AGTCCCCGGGCCCTGGCCCGGCTGGGACCTGCCACCGCCCCCAGGGCCCTTGCCAGCCCTACACGGCA
 CACGCTGGTTAAGAAGGTGTCCGGCGTGGTGGGACCACCTACGAGATCTCGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208805 representing NM_013373
 Red=Cloning site Green=Tags(s)

MPRSPGTRLKPAKYIPVATAAALLVGSSTLFFVFTCPWLTRAVSPAVPVYNGIIFLFLVLANFSMATFMDP
 GVFPRADEDEDKEDDFRAPLYKNVDVRGIQVRMKWCATCHFYRPPRCSHCVCDNCVEDFDHHCWPVWNNC
 IGRRNRYFFFLFLLSLSAHMVGVAFLVYVLNHAEGLGAAHTTITMAVMCVAGLFFIPVIGLTGFHVVL
 VTRGRTTNEQVTGKFRGGVNPFRGCGGNVEHVLCSPLAPRYVVEPPRLPLAVSLKPPFLRPELLDRAAP
 LKVKLSDNGLKAGLGRSKSKGSLDRLDEKPLDLGPPLPKIEAGTFSSDLQTPRPGSAESALSVQRTSPP
 TPAMYKFRPAFPTGPKVPFCGPGEQVPGPDSLTLGDDSIKSLDFVSEPSLDLDPYGPGLHAAYPPSPPL
 SASDAFSGALRSLSLKASSRRGGDHVALQPLRSEGGPPTPHRSIFAPHALPNRNGSLSYDSLLNPGSPGG
 HACPAHPAVGVAGYHSPYLHPGATGDPPRPLPRSFSPVLGPRPREPSPVRYDNLRTIMASIQRKRDREE
 RERLLRSQADSLFGDSGVYDAPSSYSLQQASVLSEGPRGPALRYGSRDDL VAGPGFGGARNPALQTSLS
 LSSSVSRAPRTSSSLQADQASSNAPGPRPSSGSHRSPARQLPSPPGTSPSPSYAGPKAVAFIHTDLPE
 PPPSLTVQRDHPQLKTPPSKLNQSPGLARLGPATGPPGPSASPTRHTLVKKVSGVGGTTYEISV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_013373

ORF Size: 2295 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_013373.4](#)

RefSeq Size: 5029 bp

RefSeq ORF: 2298 bp

Locus ID: 29801

UniProt ID: [Q9ULC8](#)

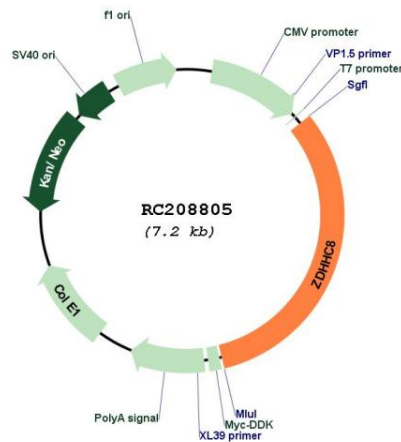
Cytogenetics: 22q11.21

Protein Families: Transmembrane

MW: 81.4 kDa

Gene Summary: 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]

Product images:



Circular map for RC208805