

Product datasheet for **RG208805**

ZDHC8 (NM_013373) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHC8 (NM_013373) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZDHC8
Synonyms:	DHC8; ZDHC1; ZNF378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208805 representing NM_013373
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCCGACGCCCGGGACGCGCCTCAAACCCGCCAAGTACATCCCGGTGGCCACGGCCCGCCGCTGC
 TGGTCCGGCTCCAGCACCCCTCTTCTTCGTGTTACAGTGCCCGTGGTTGACACGAGCTGTGTCCCCAGCTGT
 TCCCGTCTACAATGGCATCATCTTCTCTTTGTCTGGCCAATTTCAGCATGGCCACTTTTCATGGACCCCT
 GGTGTTTTCCCCGAGCGGATGAGGATGAGGACAAGGAGGACGACTTCCGGGCTCCGCTGTACAAGAACG
 TGGATGTGCGAGGTATCCAGGTCCGCATGAAGTGGTGTGCCACGTGCCACTTCTACCGCCCGCCGCGCTG
 CTCCCAGTGCAGCGTCTGTGACAACTGTGTAGAGGACTTTGACCACCACTGCCCTGGGTCAACAACTGC
 ATCGGGCGTCGAAACTATCGTACTTCTTCTGTCTCTGCTGTCAGTGCACACATGGTGGGCGTCCG
 TGGCTTCGGCCCTGGTCTACGTGCTGAACCACGCTGAGGGGCTGGGAGCCGCGCACACCACCATCACCAT
 GGCTGTATGTGTGGCCGGCCTTTCTTCATCCCTGTCAATTGGCTCACTGGCTTCCATGTGGTGTCTG
 GCACTCGGGGGCGCACCAACGAGCAGGTGACTGGGAAGTTCGCGGGGGTGTGAACCTTTTACCC
 GAGGCTGTGTGGGAATGTGGAGCACGTGCTGTGTAGCCCTGGCGCCCGGTACGTGGTGGAGCCACC
 CCGGCTGCCGCTCGCGGTGAGTTTGAAGCCGCTTTCTTAGGCCTGAACTCCTGGACCGAGCTGCACCG
 CTCAAGGTCAAGCTTAGTGACAACGGGCTGAAGGCTGGCTGGGCGTAGCAAGTCCAAGGGCAGCTGG
 ACCGGCTGGATGAGAAGCCACTGGACTTGGGGCCACCAGTCCCCCAAGATAGAGGCTGGCACGTTTCAG
 CAGTGACTGCAGACCCCGCCAGGCAGTGTGAGAGTGCCCTGTCCGTGCAGAGGACAGCCCCCGG
 ACACCTGCCATGTACAAGTTTAGGCCGGCTTTCCACGGGTCCAAGGTGCCCTTCTGTGGACAGGCGA
 AGCAGGTTCCAGGCCCTGATTCCTGACCTGGGGGACGACAGCATCCGTAGCCTGGACTTGTGTCCGA
 GCCGAGCCTGGACCTCCCTGACTATGGGCCAGGGGCTGCATGCAGCCTACCCGCCATCCCCACCGCTC
 AGCGCCTCTGATGCCTTCTCGGGCGCTTTGCGCTCCCTGAGCCTCAAGGCCTCGAGCCGGCGGGGGGG
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 CCATGCACTGCCAACCGAACGGCAGCCTGTCTATGACAGCCTGCTCAATCCTGGCTCGCTGGTGGC
 CAGCCTGCCCTGCCACCCAGCAGTTGGCGTGGCCGGATACCACTCACCTACCTGCATCCTGGGGCAA
 CGGGGACCCGCCACGGCCCTACCCCGCAGTTCAGCCCGTGTGGGCCCCCGCCCGGGAGCCCTC
 GCCTGTGCGCTACGACAACCTGTCCAGGACCATCATGGCATCCATCCAGGAGCGAAGGACAGGGAGGAG
 CGTGAGCGCTGTGCGCTCCCAGGCCGACTCACTTTCGGCGACTCAGGCGTCTATGACGCTCCCAGCT
 CCTACAGCCTGCAGCAGGCCAGTGTGCTGTCCGAGGGCCCCGAGGTCCCGCGCTGCGCTATGGCTCCAG
 AGACGACCTTGTGGTGGGCCCGGCTTCGGTGGCGCCCGCAACCCTGCCCTGCAGACGTCAGTGTCTCG
 CTGTCCAGCTCCGTGAGCCGTGCACCGCGGACGTGCTCCTCCTCCCTGCAGGCTGATCAGGCCAGCAGCA
 ACGCCCCGGGGCCCCGGCCAGCAGTGGCTCACACAGGTACCTGCACGCCAGGGCCTGCCCTCCCCGCC
 CGGCACTCCCCACTACCATCCTACGCGGGCCCCAAAGCTGTGCGCTTTCATCCACACGGACCTCCCAGAG
 CCACCGCCCTCGCTGACCGTGCAGAGGGACCACCTCAGCTGAAGACTCCCCAAGTAAGCTTAATGGGC
 AGTCCCCGGGCCCTGGCCCGGCTGGGACCTGCCACCGCCCCCAGGGCCCTTGCCAGCCCTACACGGCA
 CACGCTGGTTAAGAAGGTGTCCGGCGTGGTGGGACCACCTACGAGATCTCGGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG208805 representing NM_013373
Red=Cloning site Green=Tags(s)

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MPRSPGTRLKPAKYIPVATAAALLVGSSTLFFVFTCPWLTRAVSPAVPVYNGIIFLVLANFMSMATFMDP
GVFPRADEDEDKEDDFRAPLYKNVDVRGIQVRMKWCATCHFYRPPRCSHCVCDNCVEDFDHHCWPVWNNC
IGRRNRYFFFLFLLSLSAHMVGVAFLVYVLNHAEGLGAAHTTITMAVMCVAGLFFIPVIGLTGFHVVL
VTRGRTTNEQVTGKFRGGVNPFRGCCGNVEHVLCSPLAPRYVVEPPRLPLAVSLKPPFLRPELLDRAAP
LKVKLSDNGLKAGLGRSKSGSLDRLDEKPLDLGPPLPKIEAGTFSSDLQTPRPGSAESALSVQRTSPP
TPAMYKFRPAFPTGPKVPFCGPGEQVPGPDSLTLGDDSIKSLDFVSEPSLDLDPYGPGLHAAYPPSPPL
SASDAFSGALRSLSLKASSRRGGDHALQPLRSEGGPPTPHRSIFAPHALPNRNGSLSYDSSLNPGSPGG
HACPAHPAVGVAGYHSPYLHPGATGDPPRPLPRSFSPVLGPRPREPSPVRYDNLRTIMASIQRKRDREE
RERLLRSQADSLFGDSGVYDAPSSYSLQQASVLSEGPRGPALRYGSRDDL VAGPGFGGARNPALQTSLS
LSSSVSRAPRTSSSSLQADQASSNAPGPRPSSGSHRSPARQLPSPPGTPHSPSYAGPKAVAFIHTDLPE
PPPSLTVQRDHPQLKTPPSKLNQSPGLARLGPATGPPGPSASPTRHTLVKKVSGVGGTTYEISV
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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

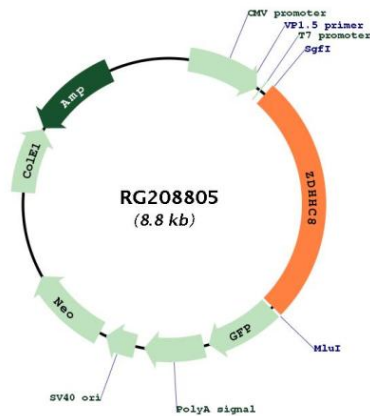
UniProt ID: [Q9ULC8](#)

Cytogenetics: 22q11.21

Protein Families: Transmembrane

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 RG208805