

Product datasheet for **RC225511**

ZDHHC4 (NM_001134387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC4 (NM_001134387) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZDHHC4
Synonyms:	ZNF374
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225511 representing NM_001134387 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTTTCTGGTCTCTTCTTGTCTACCTGGCTTCGGTGCTGATGGGCTTGTCTTATCTGCGTCT
GCTCGAAAACCCATAGCTTGAAAGGCCTGGCCAGGGGAGGACACAGATATTTTCTGTATAATTCCAGA
ATGTCTTCAGAGAGCCGTGCATGGATTGCTTACCTTTCCATACGAGAAACCACCTTCATTGTC
CTGCACCTGGTCTTGAAGGGATGGTTATACTGAGTACACCTGGGAAGTATTTGGCTACTGTCAGGAGC
TGGAGTTGTCCTTGCATTACCTTCTTCTGCCCTATCTGCTGCTAGGTGTAACCTGTTTTTTTCCACCT
GACTTGTGGAACCAATCCTGGCATTATAACAAAAGCAAATGAATTATTATTTCTTCATGTTTATGAATT
GATGAAGTGATGTTTCCAAGAACGTGAGGTGCTCTACTTGTGATTTAAGGAAACCAGCTCGATCCAAGC
ACTGCAGTGTGTAACTGGTGTGTGCACCGTTTCGACCATCACTGTGTTGGGTGAACAACCTGCATCGG
GGCCTGGAACATCAGGTACTTCTCATCTACGTCTTGACCTTGACGGCCTCGGCTGCCACCGTCGCCATT
GTGAGCACCACCTTTCTGGTCCACTTGGTGGTGTGATGTCAGATTTATACCAGGAGACTTACATCGATGACC
TTGGACACCTCCATGTTATGGACACGGTCTTCTTATTTCAGTACCTGTTCTGACTTTTCCACGGATTGT
CTTCATGCTGGCTTTGTCGTGGTCTGAGCTTCTCCTGGGTGGCTACCTGTTGTTGTCCTGTATCTG
GCGGCCACCAACCAGACTACTAACGAGTGGTACAGAGGTGACTGGCCTGGTGGCAGCGTTGTCCTTGT
TGGCCTGGCCTCCGTGAGCAGAGCCCAAGTCCACCGGAACATTCACTCCATGGGCTTCGGAGCAACCT
TCAAGAGATCTTCTACCTGCCTTTCATGTCATGAGAGGAAGAAACAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225511 representing NM_001134387
Red=Cloning site Green=Tags(s)

MDFLVLFVFLYASVLMGLVLICVCSKTHSLKGLARGGAQIFSCIIPECLQRAVHGLLHLYLFHTRNHTFIV
 LHLVLQGMVYTEYTWEVFGYCQELELSLHYLLPYLLLVNLFVFFTLTCGTNPGIITKANELLFLHVVYEF
 DEVMFPKNVRCSTCDLRKPARSKHCSVCNWCVHRFDHHCVVWNNCIGAWNIRYFLIYVLTASAATVAI
 VSTTFLVHLVMSDLYQETYIDDLGHLHVM DTVFLIQYLFTFPRIVFMLGFVVLSFLLGGYLLFVLYL
 AATNQTTNEWYRGDWAWCQRCPVAVPPSAEPQVHRNIHSHGLRSNLQEIFLPAFPCHERKKQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8076_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134387

ORF Size: 1032 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_001134387.1](#), [NP_001127859.1](#)

RefSeq ORF: 1035 bp

Locus ID: 55146

UniProt ID: [Q9NPG8](#)

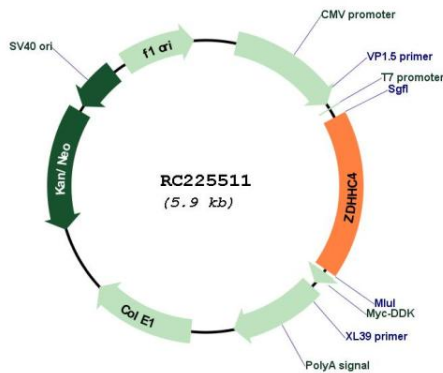
Cytogenetics: 7p22.1

Protein Families: Transmembrane

MW: 39.6 kDa

Gene Summary: Palmitoyltransferase that could catalyze the addition of palmitate onto protein substrates including the D(2) dopamine receptor DRD2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225511