

Product datasheet for **RG225513**

ZDHHC4 (NM_001134389) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZDHHC4 (NM_001134389) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ZDHHC4
Synonyms: ZNF374
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225513 representing NM_001134389
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTTTCTGGTCTCTTCTTGTCTACCTGGCTTCGGTGCTGATGGGTCTTGTCTTATCTGCGTCT
GCTCGAAAACCCATAGCTTGAAAGGCCTGGCCAGGGGAGGAGCACAGATATTTTCTGTATAATTCCAGA
ATGTCTTCAGAGAGCCGTGCATGGATTGCTTCATTACCTTTCCATACGAGAAACCACACCTTCATTGTC
CTGCACCTGGTCTTGAAGGGATGGTTATACTGAGTACACCTGGGAAGTATTTGGCTACTGTCAGGAGC
TGGAGTTGTCCTTGCATTACCTTCTTCTGCCCTATCTGCTGCTAGGTGTAACCTGTTTTTTTCCACCT
GACTTGTGGAACCAATCCTGGCATTATAACAAAAGCAAATGAATTATTATTTCTTCATGTTTATGAATTT
GATGAAGTGATGTTTCCAAGAACGTGAGGTGCTCTACTTGTGATTTAAGGAAACCAGCTCGATCCAAGC
ACTGCAGTGTGTGTAACCTGGTGTGTGCACCGTTTCGACCATCACTGTGTTGGGTGAACAACTGCATCGG
GGCCTGGAACATCAGGTACTTCTCATCTACGTCTTGACCTTGACGGCCTCGGCTGCCACCGTCGCCATT
GTGAGCACCACTTTCTGGTCCACTTGGTGGTGTGTCAGATTTATACCAGGAGACTTACATCGATGACC
TTGGACACCTCCATGTTATGGACACGGTCTTCTTATTTCAGTACCTGTTCTGACTTTTCCACGGATTGT
CTTCATGCTGGCTTTGTCGTGGTCTGAGCTTCTCCTGGGTGGCTACCTGTTGTTGTCTGTATCTG
CGGCCACCAACCAGACTACTAACGAGTGGTACAGAGGTGACTGGCCTGGTGGCTGTTGCCAGCTTGTCCCCTTG
TGGCCTGGCCTCCGTGAGCAGAGCCCAAGTCCACCGGAACATTCACTCCATGGCTTCGGAGCAACCT
TCAAGAGATCTTCTACCTGCCTTTCCATGTCATGAGAGGAAGAAACAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225513 representing NM_001134389
 Red=Cloning site Green=Tags(s)

MDFLVLFVFLASVLMGLVLICVSKTHSLKGLARGGAQIFSCIPECLQRAVHGLLHFLHTRNHTFIV
 LHLVLQGMVYETEYTWVEVFGYCQELELSLHYLLLPYLLLVNLFFFLLTCGTNPGIITKANELLFLHVVYEF
 DEVMFPKNVRCSTCDLRKPARSKHCSVCNWCVHRFDHHCVWVNNCIGAWNIRYFLIYVLTLTASAATVAI
 VSTTFLVHLVVMSDLYQETYIDDLGHLHVMDTVFLIQYLFLLTFPRIVFMLGFVVVLSFLLGGYLLFVLYL
 AATNQTNEWYRGDWAWCQRCPPLVAWPPSAEPQVHRNIHSHGLRSNLQEIFLPAFPCHERKKQE

TRTRPLE - GFP Tag - V

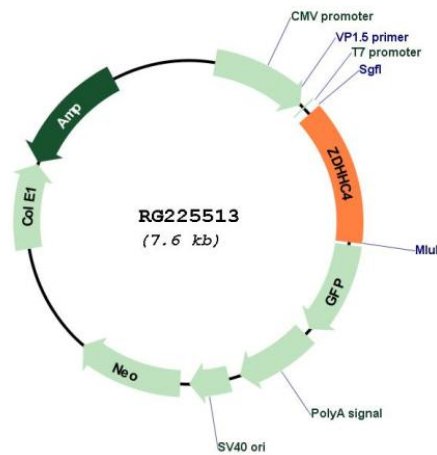
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001134389

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:	<ol style="list-style-type: none">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_001134389.2
RefSeq Size:	1348 bp
RefSeq ORF:	1035 bp
Locus ID:	55146
UniProt ID:	Q9NPG8
Cytogenetics:	7p22.1
Protein Families:	Transmembrane
Gene Summary:	Palmitoyltransferase that could catalyze the addition of palmitate onto protein substrates including the D(2) dopamine receptor DRD2.[UniProtKB/Swiss-Prot Function]