

Product datasheet for **RG206263**

ZDHHC2 (NM_016353) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZDHHC2
Synonyms:	DHHC2; ZNF372
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206263 representing NM_016353
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCCCTCGGGCCCGGCAGCAGCGCCAGGCGCGGTGCCGCGGGTGCTGTACTGGATCCCGGTGG
TGTTTCATCACCTCCTGCTCGGCTGGTCTACTACGCCTACGCCATCCAGCTGTGCATAGTGTCCATGGA
AAACTGGCGAACAAGTTGTGTGCTGATGGCCTATCATCTACTTTTGCATGTTTGTCTGGTCATAC
TGGAAACTATCTTTACATTACCAATGAATCCTTCAAAGAATTCCATCTCTTATGCAGAGAAAGATT
TGTTGGAGAGAGAGCCAAAGAGGAGAAGCCATCAGGAAGTTCTTAGCGAGCAGCCAAAGGATCTTCCCAT
CTATACCAGGACCATGTCTGGAGCCATCCGATACTGTGACAGATGCCAACTTATAAAACCAGATCGCTGC
CATCACTGCTCCGTCTGTGATAAATGTATTTGAAGATGGATCATCATTGTCCATGGGTGAACAATTGTG
TTGGATTTTCAAATTATAAGTTCTTTCTCCTTTTCTTGCTTATTCTCTGCTCTACTGCCTTTTATTGC
GGCAACAGATTTACAGTATTTTATCAAATTTTGACAAATGGCCTACCTGATACTCAAGCCAAGTTCCAT
ATTATGTTTTTATTCTTTGCTGCAGCTATGTTTCTGTGAGTTGTCTTCTGTTTGGCTATCATTGTT
GGCTAGTCAGCAAAAATAAATCTACATTAGAGGCATTGAGAGTCCAGTATTTGACATGGAACAGATAA
GAATGGATTTCAGCTTGGGTTTCAGTAAAAACATGCGACAAGTTTGGTGATGAGAAGAAGTACTGGTTG
CTACCCATTTTTCAGTCTAGGTGATGGCTGCTCCTTTCCAATTGCCTTGTTAACCAGGATCCTGAAC
AAGCATCTACTCCTGCAGGGCTGAATTCACAGCTAAAAATCTCGAAAACCATCAGTTTCTGCAAGGCC
ATTGAGAGAGTCCAGAGCCACCTTCTTACTGATTCTCAGTCTTGGACGGAGAGCAGCATAAACCCAGGA
AAATGCAAAGCTGGTATGAGCAATCTGCATTAAACCATGGAATGAGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



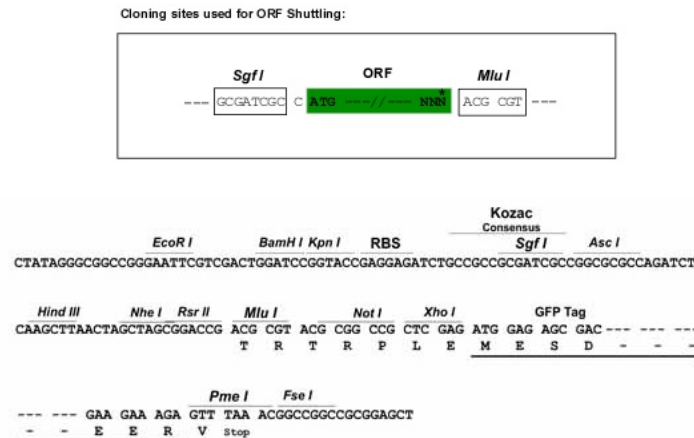
Protein Sequence: >RG206263 representing NM_016353
Red=Cloning site Green=Tags(s)

MAPSGPGSSARRRCRRVLYWIPVVFITLLLGWSYYAYAIQLCIVSMENGEQVVCVMAYHLLFAMFVWSY
WKTIFTLPMPNSKEFHLSYAEKDLLEREPRGEAHQEVLRRAAKDLPIYTRTMSGAIRYCDRCQLIKPDR
HHCSVCDKCILKMDHCPWNNVCVGFSNYKFLLFLAYSLLYCLFIAATDLQYFIKFWTNGLPDQAKFH
IMFLFFAAAMFSVSLSSLFGYHCWLVSNNKSTLEAFSPVFRHGTDKNGFSLGFSKNMRQVFGDEKYYWL
LPIFSSLDGCSFPTCLVNQDPEQASTPAGLNSTAKNLNHQFPAKPLRESQSHLLTDSQSWTESSINPG
KCKAGMSNPALTMENET

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016353

ORF Size: 1101 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016353.5](#)

RefSeq Size: 3837 bp

RefSeq ORF: 1104 bp

Locus ID: 51201

UniProt ID: [Q9UIJ5](#)

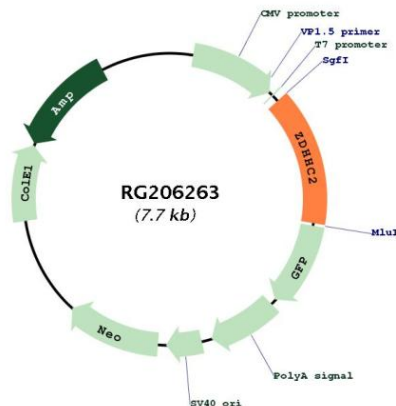
Cytogenetics: 8p22

Domains: zf-DHHC

Protein Families: Transmembrane

Gene Summary: Palmitoyltransferase specific for GAP43 and DLG4/PSD95.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206263