

Product datasheet for **MG224781**

Zdhhc2 (NM_178395) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc2 (NM_178395) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc2
Synonyms:	5730415P04Rik; 6430583A19Rik; DHHC-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224781 representing NM_178395 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCCTCGGGCTCGGGCGGCGTGAGGCGGCGGTGCCGGCGGGTGCTCTACTGGATCCCGTGGTGT
 TCATCAGCTTGCTGCTGGGCTGGTCTACTACGCCTACGCCATCCAGCTGTGCATAGTGCCATGGAAAA
 CATTGGTGAACAAGTTGTGTGCCTCATGGCTTATCATCTACTTTTGAATGTTTGTCTGGTCATACTGG
 AAAACCATTTTACATTGCCCATGAATCCTTCAAAAGAATTCCATCTCTTTATGCAGAGAAAGAATTGC
 TGGAGAGAGAGCCAAGAGGAGAAGCCCATCAGGAAGTTCTGAGGCGAGCAGCCAAAGACCTTCCCATCTA
 CACCAGGACCATGTCCGGCGCAATCCGATATTGTGACAGATGCCAATTATAAAACCAGACCGCTGTCTAT
 CATTGTTCCGTCTGTGATAAATGTATTTGAAGATGGATCATCATTGCCCATGGGTGAACAATTGTGTTG
 GATTTTCAAACACTACAAATTCTTCCTCCTTTTCTTGGCTTACTCTCTGCTGTACTGCCTTTTCATTGCTGC
 TACCGATTTACAGTATTTTATCAGATTTTGGACAAATGGTCTGCCTGATACTCAAGCCAAGTTCCATATT
 ATGTTTTATTCTTTGCTGCAGCTATGTTTCTGTCAGCTTGCTCTCTGTTTGGTTATCATTGCTGGC
 TAGTCAGCAAAAATAAATCTACTTTAGAGGCATTACAGAAATCCAGTATTTAGACACGGAACAGATAAGAA
 CGGATTCAGCTTGGGTTTCAGTAAAAACATGAGACAAGTGTGGTGATGAGAAGAAATACTGGCTGTTA
 CCAGTATTTTCAAGTCAAGGTGATGGCTGTTCCCTTCCAACCTTGCTTGTAAACCAGGATCCTGAACAAC
 CTCTACTCCTGCGGGACTAAATTCAACAGTGAAAAATCCTGAAAACCACCAAGTTTCTTGCAAAAGCCTCT
 GAGAGAGTCCCAGAGCCACCTCCTTAAGGATTCTCAGACCTGGACAGAGAGCATCGCAAACGCTGGGAAG
 GGCAAAGCCGGTATGAGCAACCTGCATTAACATATGGAGAACGAGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG224781 representing NM_178395
 Red=Cloning site Green=Tags(s)

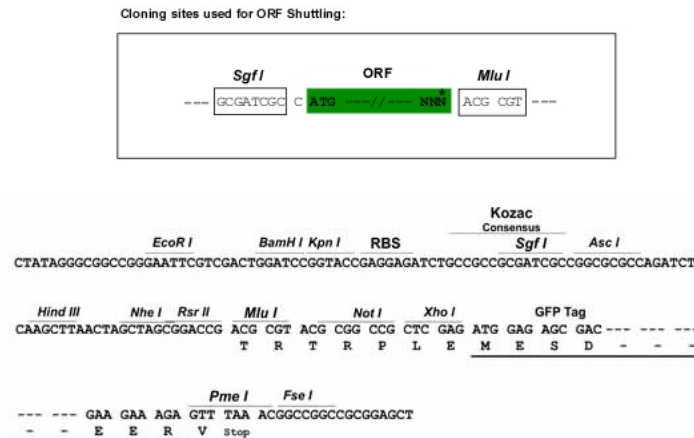
MAPSGSGGVRRRCRRVL YWIPVVFISLLLGWSYAYAIQLCIVSMENIGEQQVCLMAYHLLFAMFVWSYW
 KTIFTLPMNPSKEFHLSYAEKELLEREPGEAHQEVLRRAAKDLPIYTRTMSGAI RYCDRCQLIKPDRCH
 HCSVCDKCILKMDHHCWPVNNCVGF SNYKFFLLFLAYSLLYCLFIAATDLQYFIRFWTNGLPDTQAKFHI
 MFLFFAAAMFVSLSLFGYHCWLVSKNKSTLEAFRNPVFRHGTDKNGFSLGFSKNMRQVFGDEKKYWLL
 PVFSSQGDGCSFPTCLVNQDPEQ PSTPAGLNSTVKNPENHQFPAKPLRESQSHLLKDSQTWTESI ANAGK
 GKAGMSNPALTMENET

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_178395

ORF Size: 1098 bp

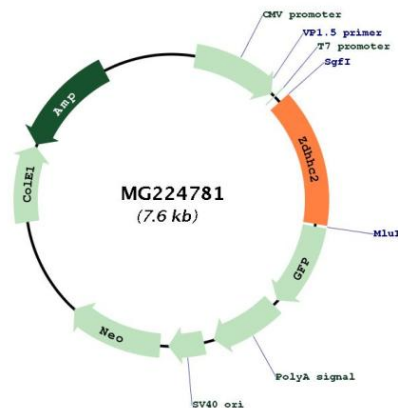
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_178395.3, NP_848482.1</u>
RefSeq Size:	2498 bp
RefSeq ORF:	1101 bp
Locus ID:	70546
UniProt ID:	<u>P59267</u>
Cytogenetics:	8 A4
Gene Summary:	Palmitoyltransferase specific for GAP43 and DLG4/PSD95.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224781