

Product datasheet for **MG219503**

Zdhhc8 (NM_172151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc8 (NM_172151) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc8
Synonyms:	D16H22S1738E; DHHC-8; E330009O14Rik; Op53c05; ZDHHCL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219503 representing NM_172151
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCGACGCCCGGGACGCGCCTCAAACCCGCCAAGTACATCCCGGTGGCCACGGCCCGCCGCTGT
 TGGTTGGTTCCAGCACACTCTTCTTCGTATTCAGGTGCCATGGTTGACAAGAGCTGTGTCTCCAGCTAT
 TCCTGTCTACAATGGCATCCTCTTCTTCTTGTCTGGCCAACCTCAGTATGGCTACCTTCATGGACCT
 GGAGTCTTCCCCGAGCGGACGAGGACGAGGACAAGGAGGATGACTTCCGGGCCCACTGTACAAGAATG
 TGGATGTGCGGGGCATCCAGGTCCGCATGAAGTGGTGTGCAACGTGCCACTTTTACCGTCCACCGCGCTG
 CTCACACTGCAGTGTCTGTGACAACGTGTGGAGGACTTTGACCATCACTGCCCTGGGTCAACAACCTGC
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 GGCTGTATGTGTGGCTGGCCTTTTCTTCATTCTGTCTGTCAGTCAAGCGGCACATGGTGGGGTGG
 GTCACGCGGGGCCGACCAACAATGAGCAGGTGACTGGGAAGTTCGCGGGGGTGTGAATCCCTTACCC
 GAGGCTGTATGGGAACGTGGAGCACGTGTTATGCAAGTCCCTGGCGCCCGGTATGTGGTGAACCCCC
 CAGGATGCCGCTCTCAGTGAGCCTCAAGCCACCCTTCTGAGACCTGAGCTCCTGGAACGAGCTGTGCC
 CTCAAGGTCAAACCTAGCGACAATGGGCTGAAAGCTGGCCGACGCAAGTCCAAGGGCAGTCTAGACCAGC
 TGGATGAGAAACCTTGGACCTGGGACCTCCACTGCCCCCAAGTAGAGGCTGGTACCTTTGGAAGAGA
 TCTGAAGACCCCAAGACCTGGCAGTGTGAGAGTGCCTATCAGTACAGAGGACCAGCCCCCAACCT
 GCCATGTATAAGTTCGGCCAGCCTTCTCCACTGGTCCAAGACACCCTTTTGTGGACCTAATGAGCAGG
 TCCCAGTCTGACTCCCTTACTCTGGCAGATGACAGCACCCACAGTCTAGACTTTGTGTCTGAGCCAG
 CCTGGATCTCCAGACCACGGGCCGGTGGTCTGCGTCCCTCCCTACCCGCCCTCCCAACCCTCAACACC
 ACTGATGCCTTCTCAGGTGCCTTGCCTCCCTGAGTCTCAAGGCTGCCAGTCCGAGGGGTGGGGACCACA
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 CGTGGCCGGCCCTGGCTTTGGTGGTGGCCGCAATCCTGCCTGCAGACGTCATTGTCTCCTGCTGCCAGC
 TCCATGAGTCGGGCACCTCGGACATCTTCTCCTCCCTGCAGGCTGACCAGGCCAACAACAATGCCCCAG
 GACCCCGGCTGGCAGTGGTTCACATAGGTACCTGCCGTGAGGGCCTGCCTTCCCCACCAGGCACCCC
 CCGATCGCCCTCTACACGGGCTCCAAGGCCGTCGCTTCATCCACACAGACCTCCCGGACCGGCAGCCC
 TCACTGGCTATGCAGAGGGATCACCTCAGCTGAAGACCCCCCAAGTAAGCTTAACGGGCAGTCCCCAG
 GCATGGCCGCTGGGGCCTGCTGCCAGCCCCATGGGGCCCAACGCCAGCCCTGCCCGGCACACGCTGGT
 TAAGAAGGTGTCGGCGTGGGTGGGACTACGTATGAAATCTCGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG219503 representing NM_172151
 Red=Cloning site Green=Tags(s)

MPRSPGTRLKPAKYIPVATAAALLVGSSTLFFVFTCPWL TRAVSPAIPVYNGILFLFVLANF SMATFMDP
 GVFPRADEDEDKEDDFRAPLYKNVDVRGIQVRMKWCATCHFYRPPRCSHCSVCDNCVEDFDHHC PWVNNC
 IGRRNRYFFFLFLLSLSAHMVGVAFFGLLYVLNHSEGLGAAHTTITMAVMCVAGLFFIPVIGLTGFHVVL
 VTRGRTTNEQVTGKFRGGVNPFTRGCYGNVEHVLCSPLAPRYVVEPPRMPLSVSLKPPFLRPELLERAVP
 LKVKLSDNGLKAGRSKSKGSLDQLDEKPLDLGPPLPKIEAGTFGRDLKTPRPGSAESALSVQRTSPPTP
 AMYKFRPAFASTGPKTPFCGPNEQVPGPDSLTLADDSTHSLDFVSEPSLDLDPDHGPGGLRPPYPSPPLNT
 TDAFSGALRSLSLKAASRRGGDHMTLQPLRSEGGPPTPHRSLFAPHALPNRNGSLSYDSSLNPGSPSGHA
 CPTHPSVGIASYHSPYLHPGPSDPPRPPRSFSPVLGPRPRESPVRYDNL SRTIMASIQRKDREERER
 LLRSQTDLSLFGDSGVYDTPSSYSLQQASVLTGPRGSVLRYSRDDLVAGPFGGARNPALQTSLSLSS
 SMSRAPRTSSSSLQADQANNAPGPRPGSGSHRSPARQGLPSPPGTPRSPSYTGSKAVAFIHTDLPDRQP
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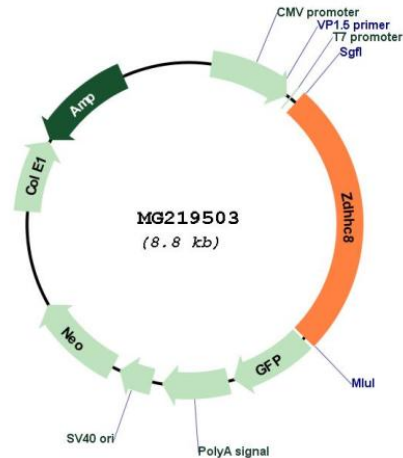
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_172151

ORF Size: 2286 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_172151.4](#), [NP_742163.4](#)

RefSeq Size: 4887 bp

RefSeq ORF: 2289 bp

Locus ID: 27801

UniProt ID: [Q5Y5T5](#)

Cytogenetics: 16 11.29 cM

Gene Summary: Palmitoyltransferase involved in glutamatergic transmission. Mediates palmitoylation of ABCA1.[UniProtKB/Swiss-Prot Function]