

Product datasheet for **MR219503**

Zdhhc8 (NM_172151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc8 (NM_172151) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zdhhc8
Synonyms:	D16H22S1738E; DHHC-8; E330009O14Rik; Op53c05; ZDHHCL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR219503 representing NM_172151
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCGACGCCCGGGACGCGCCTCAAACCCGCCAAGTACATCCCGGTGGCCACGGCCCGCCGCTGT
 TGGTTGGTTCCAGCACACTCTTCTTCGTATTCAGGTGCCATGGTTGACAAGAGCTGTGTCTCCAGCTAT
 TCCTGTCTACAATGGCATCCTCTTCTTCTTGTCTGGCCAACCTCAGTATGGCTACCTTCATGGACCT
 GGAGTCTTCCCCGAGCGGACGAGGACGAGGACAAGGAGGATGACTTCCGGGCCCACTGTACAAGAATG
 TGGATGTGCGGGGCATCCAGGTCCGCATGAAGTGGTGTGCAACGTGCCACTTTTACCGTCCACCGCGCTG
 CTCACACTGCAGTGTCTGTGACAACGTGTGGAGGACTTTGACCATCACTGCCCTGGGTCAACAACCTGC
 ATTGGACGCCGCAACTACCGTTACTTCTTCTGTCTGCTGCTCACTCAGCGCGCATGGTGGGGTGG
 TGGCCTTCGGCCTGCTCTATGTGCTCAACTCGGAGGGGCTGGGAGCCGCCACACCACCATCACCAT
 GGCTGTATGTGTGGCTGGCCTTTTCTTCATTCTGTCTCGCCTCACTGGCTTTCAGTGGTACTG
 GTCACGCGGGGCCGACCAATGAGCAGGTGACTGGGAAGTTCGCGGGGGTGTGAATCCCTTACCC
 GAGGCTGTATGGGAACGTGGAGCACGTGTTATGCAAGTCCCTGGCGCCCGGTATGTGGTGAACCCCC
 CAGGATGCCGCTCTCAGTGAGCCTCAAGCCACCCTTCTGAGACCTGAGCTCCTGGAACGAGCTGTGCC
 CTCAAGGTCAAACCTAGCGACAATGGGCTGAAAGCTGGCCGACGCAAGTCCAAGGACAGTCTAGACCAGC
 TGGATGAGAAACCTTGGACCTGGGACCTCCACTGCCCCCAAGTAGAGGCTGGTACCTTTGGAAGAGA
 TCTGAAGACCCCAAGACCTGGCAGTGTGAGAGTGCCCTATCAGTACAGAGGACAGCCCCCAACCT
 GCCATGTATAAGTTCGGCCAGCCTTCTCACTGGTCCAAGACACCCTTTTGTGGACCTAATGAGCAGG
 TCCCAGTCTGACTCCCTTACTCTGGCAGATGACAGCACCCACAGTCTAGACTTTGTGTCTGAGCCAG
 CCTGGATCTCCAGACCACGGGCGGGTGGTCTGCGTCCCTCCCTACCCGCCCTCCCAACCCCTCAACACC
 ACTGATGCCTTCTCAGGTGCCTTGCCTCCCTGAGTCTCAAGGCTGCCAGTCCGAGGGGTGGGGACCACA
 TGACCTTACAGCCACTGCGCTCTGAAGGTGGGCCCTACACCTCACCGTAGTCTCTTTGCTCCTCATGC
 ACTGCCAATCGAAATGGCAGCCTGTATATGACAGCCTACTTAACCCTGGCTCACCCAGTGGCCACGCA
 TGCCCCACACACCCTCTGTTGGTATAGCCAGCTACCATTACCCTACCTGCACCCTGGGCCATCAGATC
 CACCGCGCCCCCACCACGAGCTTCCAGCCTGTGCTGGTCCCCGGCCTAGGGAACCTCTCCTGTGCG
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 CTGCTGCGCTCCAGACTGACTACTCTTTGGCGACTCTGGTGTCTATGATACCCAGCTCCTACAGCC
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 TCCATGAGTCGGGCACCTCGGACATCTTCTCCTCCCTGCAGGCTGACCAGGCCAACAACAATGCCCCAG
 GACCCCGGCTGGCAGTGGTTCACATAGGTACCTGCCGTGAGGGCCTGCCTTCCCCACAGGCACCCC
 CCGATCGCCCTCTACACGGGCTCCAAGGCCGTGCGCTTCATCCACACAGACCTCCCGGACCGGCAGCCC
 TCACTGGCTATGCAGAGGGATCACCTCAGCTGAAGACCCCCCAAGTAAGCTTAACGGGACGTCACCCAG
 GCATGGCCGCTGGGGCCTGCTGCCAGCCCCATGGGGCCCAACGCCAGCCCTGCCCGGCACACGCTGGT
 TAAGAAGGTGTCGGCGTGGGTGGGACTACGTATGAAATCTCGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >MR219503 representing NM_172151
Red=Cloning site Green=Tags(s)

MPRSPGTRLKPAKYIPVATAAALLVGSSTLFFVFTCPWLTRAVSPAIPVYNGILFLFVLANFSMTPFMDP
 GVFPRADEDEDKEDDFRAPLYKNVDVRGIQVRMKWCATCHFYRPPRCSHCVCDNCVDFDHHCPWVNNC
 IGRNRNYFFFLFLLSLSAHMVGVAFFGLLYVLNHSEGLGAAHTTITMAVMCVAGLFFIPVIGLTGFHVVL
 VTRGRTTNEQVTGKFRGGVNPFRTRGCYGNVEHVLCSPLAPRYVVEPPRMPPLSVSLKPPFLPELLERAVP
 LKVKLSDNGLKAGRSKSKGSLDQLDEKPLDLGPPLPKIEAGTFGRDLKTPRPGSAESALSVQRTSPPTP
 AMYKFRPAFASTGPKTPFCGPNEQVPGPDSLTLADDSTHSLDFVSEPSLDLDPDHGPGGLRPPYPPSPPLNT
 TDAFSGALRSLSLKAASRRGGDHMTLQPLRSEGGPPTPHRSLFAPHALPNRNGSLSYDSSLNPGSPSGHA
 CPTHPSVGIASYHSPYLHPGPSDPPRPPRSPVSPVLGPRPRESPVRYDNL SRTIMASIQRKREERER
 LLRSQTDSLFGDSGVYDTPSSYSLQQASVLTGPRGSVLRYSRDDLVAGPGFGGARNPALQTSLSLSS
 SMSRAPRTSSSSLQADQANNAPGPRPGSGSHRSPARQGLPSPPGTPRSPSYTGSKAVAFIHTDLPDRQP
 SLAMQRDHPQLKTPPSKLNQSPGMARLGPAASPMGPNASPARHTLVKKVSGVGGTTYEISV

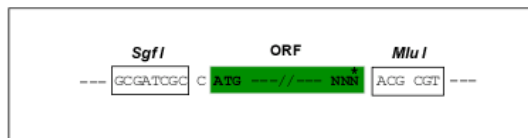
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_172151

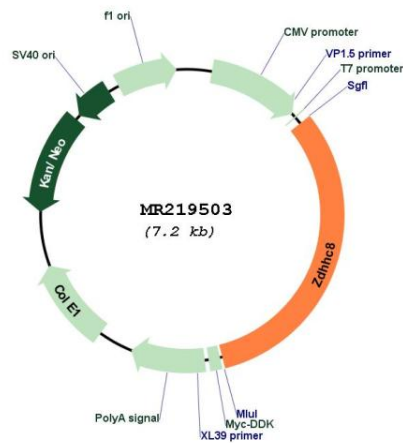
ORF Size: 2286 bp

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:	<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:	<u>NM_172151.4, NP_742163.4</u>
RefSeq Size:	4887 bp
RefSeq ORF:	2289 bp
Locus ID:	27801
UniProt ID:	<u>Q5Y5T5</u>
Cytogenetics:	16 11.29 cM
MW:	82.5 kDa
Gene Summary:	Palmitoyltransferase involved in glutamatergic transmission. Mediates palmitoylation of ABCA1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219503