

Product datasheet for **MR220663**

Zdhhc23 (NM_001007460) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc23 (NM_001007460) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zdhhc23
Synonyms:	Gm779; Gm1751; nidd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR220663 representing NM_001007460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCCAGTCAAAAAAAAAAGAAAACCGAAGAACCTGAATTGGAGCCCCTGTGCTGTTGCGAATACATAG
 ATCGAAATGGGGAAAAGAACCACGTGGCTGCCTGTTGTGTGATTGTCAAGACCTCGATGAAGGCTGTGA
 CAGATGGCTTACCTGTCAATCACTTCGGCCGGAGACTTGCAGAAAGAAATCACGGATACAATTTCTGACCGC
 CTCCGAATTCCTTGGCTCAGAGGAGCCAAAAGGTTAATATTAGCATCGTCCCTCCACTGTGCTTTTGC
 CGGTTTTCTTACGTGGCTTCTGGCACTTCTGCTGGGGTGGTGGTTCTGACCTCCCTCCCATGCT
 GGCCTCTGGTATTACTACCTCACTCACAGAAGGAAAGAACAGACGCTGTTTTCTGAGCTCGGGCTG
 TTCTCACTGGCTACATGTACTATGTGTTCTGCGGGAAGTGGTCCCCAAGGGCGCGTGGGGCCACTC
 AGCTGGCCCTCCTAACCTGCGGGTACTTCTGATACTCTTAGCCTGTACCGAGCCAAGAAGAATCCAGG
 CTACCTCAGCAATGACAAATCCCAAGCAACAGCCAAATTGAATGCCCGGTCAAAAAGGGCAGGAGAAG
 ACCAAAGGGTTCCCGGCACAGACGCCTCGGGGAGCCTCAACAACCGCACACTGAAGGACGATGTTAGGG
 GTTCTCCAGGGTGGGGCTTACAGCCCTGCCAAGTGAAGGAAGACTGGTGTGCCAAGTCCAGCTAGT
 ACGACCCGCCGGCATGGCATTGCCGGATATGCGGTATCTGTGTACGGAGAATGGACCATTATTGTGTC
 TGGATAAATAGCTGCGTCGGAGAATCAAACCATCAAGCATTATACTTGCCTTTCCATCTTCTTGTCTCA
 CTTCCGTTTACGGAATATCGCTGACCTTGAACACCATTGTAGGGATAGAAGCCTCTTACAGCCCTCTT
 CTAAGTGCCTGGAGTTTACGCTAATTACAGCTCAGCCCTGCCTTACCTGTGTGGTACTCTGTGATC
 ATCACAGCCGGCATGGCTACATCTTCTCATCCAGCTGATAAACATCAGCTACAATGTAACGGAGAGGG
 AAGTGCAGCAGGCCCTTCGCCAGAAGACAGGGCCCGGCTCCTCTGCGGGCTCATCGTGGACACAGGCCA
 GTACAACAGGGGCTTCTGCGCAACTGGCTCCAGTTCTCCACCCTGGGCACACACAGTCCACACCCCC
 GCCGAAGACATCGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220663 representing NM_001007460
 Red=Cloning site Green=Tags(s)

MKPVKKKKTEEPELEPLCCCEYIDRNGEKNHVAACLDCQDLDEGCDRWLTCQSLRPETCERITDTISDR
 LRIPWLRGAKKVNISIVPPLVLLPVFLHVASWHFLLGVVLTSLPMLALWYYLTHRRKEQTLFFLSLGL
 FSLGYMYVFLREVVPQGRVPTQLALLTCGLLLILLALYRAKKNPYLNDKSPNSQIECPVKKGQEK
 TKGFPGTDASGSLNNRTLKDDVRGSSRVGLDSPAKVKEDWCAKQQLVRPARAWHCRICGICVRRMDHHCV
 WINSCVGESNHQAFILALSIFLLTSVYGISLTLNTICRDRSLFTALFYCPGVYANYSSALSFTCVWYSVI
 ITAGMAYIFLIQLINISYNVTEREVQALRQKTGRLLCGLIVDTGQYNRGFLRNWLQFSTLGHHTVHTP
 AEDIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9018_a07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001007460

ORF Size: 1275 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_001007460.2](#)

RefSeq Size: 1278 bp

RefSeq ORF: 1278 bp

Locus ID: 332175

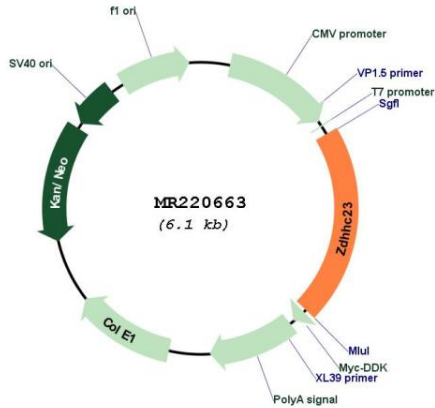
UniProt ID: [Q5Y5T3](#)

Cytogenetics: 16 B4

MW: 48.6 kDa

Gene Summary: Palmitoyltransferase that mediates palmitoylation of KCNMA1, regulating localization of KCNMA1 to the plasma membrane. May be involved in NOS1 regulation and targeting to the synaptic membrane (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220663