

## Product datasheet for **MG220663**

### Zdhhc23 (NM\_001007460) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc23 (NM_001007460) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc23
Synonyms:	Gm779; Gm1751; nidd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220663 representing NM_001007460 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCCAGTCAAAAAAAAAAGAAAACCGAAGAACCTGAATTGGAGCCCCTGTGCTGTTGCGAATACATAG  
ATCGAAATGGGGAAAAGAACCACGTGGCTGCCTGTTTGTGTGATTGTCAAGACCTCGATGAAGGCTGTGA  
CAGATGGCTTACCTGTCAATCACTTCGGCCGAGACTTGCAGAAAGAACCGGATACAATTTCTGACCGC  
CTCCGAATTCCTGGCTCAGAGGAGCCAAAAGGTTAATTATTAGCATCGTCCCTCCACTGTGCTTTTGC  
CGTTTTCTTACGTGGCTTCTGGCACTTCTGCTGGGGTGGTGGTCTGACCTCCCTCCCATGCT  
GGCACTCTGGTATTACTACCTCACTCACAGAAGGAAAGAACAGACGCTGTTTTCTGAGCCTCGGGCTG  
TTCTCACTGGGCTACATGTACTATGTGTTCTGCGGGAAGTGGTCCCCAAGGGCGCTGGGGCCCACTC  
AGCTGGCCCTCCTAACCTGCGGGTACTTCTGATACTCTTAGCCTGTACCGAGCCAAGAAGAATCCAGG  
CTACCTCAGCAATGACAAATCCCCAAGCAACAGCCAAATTGAATGCCCGGTCAAAAAGGGCAGGAGAAG  
ACCAAAGGTTCCCCGGCACAGACGCCTCGGGAGCCTCAACAACCGCACACTGAAGGACGATGTAGGG  
GTTCTCCAGGGTGGGGCTTGACAGCCCTGCCAAAGTGAAGGAAGACTGGTGTGCCAAGTCCAGCTAGT  
ACGACCCGCCCCGGCATGGCATTGCCGGATATGCGGTATCTGTGTACGGAGAATGGACCATCATTGTGTC  
TGGATAAATAGCTGCGTCGGAGAATCAAACCATCAAGCATTATACTTGCCTTTCCATCTTCTTGCTCA  
CTTCGGTTTACGGAATATCGCTGACCTTGAACACCATTGTAGGGATAGAAGCCTTTCACAGCCCTCTT  
CTACTGTCTGGAGTTTACGCTAATTACAGCTCAGCCCTGTCTTACCTGTGTGGTACTCTGTGATC  
ATCACAGCCGGCATGGCTACATCTTCTCATCCAGCTGATAAACATCAGCTACAATGTAACGGAGAGGG  
AAGTGCAGCAGGCCCTTCGCCAGAAGACAGGGCGCCGGCTCCTCTGCGGGCTCATCGTGACACAGGCCA  
GTACAACAGGGGCTTCTGCGCAACTGGCTCCAGTTCTCCACCCTGGGCACACACAGTCCACACCCCC  
GCCGAAGACATCGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220663 representing NM\_001007460  
 Red=Cloning site Green=Tags(s)

MKPVKKKKTEPELEPLCCCEYIDRNGEKNHVAACLCDCQDLDEGCDRWLTCQSLRPETCERITDTISDR  
 LRIPWLRGAKKVNISIVPPLVLLPVFLHVASWHFLLGVVLTSLPMLALWYYLTHRRKEQTLFFLSLGL  
 FSLGYMYVFLREVVPQGRVGTQLALLTCGLLLILLALYRAKKNPGYLNDKSPSNSQIECPVKKGQEK  
 TKGFPGTDASGSLNNRTLKDDVRGSSRVGLDSPAQKVEDWCAKQQLVVRPARAWHCRICGICVRRMDHHCV  
 WINSVCVGESNHQAFILALSIFLLTSVYGISLTLNTICRDRSLFTALFYCPGVYANYSSALSFVWYYSVI  
 ITAGMAYIFLIQLINISYNVTEREVQALRQKTGRRLLCGLIVDTGQYNRGFLRNWLQFSTLGTHTVHTP  
 AEDIV

TRTRPLE - GFP Tag - V

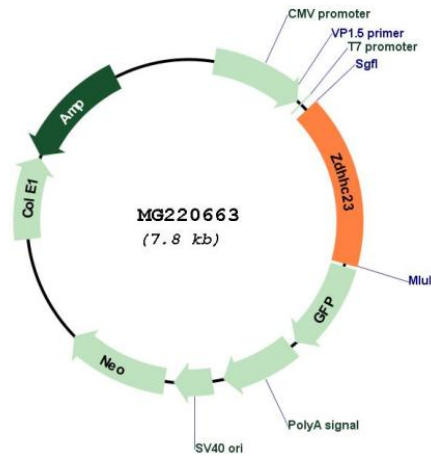
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001007460

<b>ORF Size:</b>	1275 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001007460.2</a>
<b>RefSeq Size:</b>	1278 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	332175
<b>UniProt ID:</b>	<a href="#">Q5Y5T3</a>
<b>Cytogenetics:</b>	16 B4
<b>Gene Summary:</b>	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]