

## Product datasheet for **SC111562**

### ZDHHC23 (NM\_173570) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC23 (NM_173570) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC23
Synonyms:	DHHC-23; NIDD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173570, the custom clone sequence may differ by one or more nucleotides

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ATGACACAGAAGGGCAGTATGAAGCCTGTGAAGAAAAGAAAACCGAAGAACCTGAATTGGAGCCCCTGT
GCTGCTGCGAGTACATAGATCGGAATGGGGAAAAGAACCAGTGGCTACTTGTTGTGTGATTGTCAAGA
TCTGGATGAAGGGTGTGATCGATGGATTACATGTAATCTTTACAGCCAGAGACTTGTAAGAATCATG
GATACAATTTCTGATCGCCTCCGAATTCCTTGGCTTAGGGGAGCCAAAAAAGTGAACATCAGCATCATCC
CTCCGCTTGTCTGCTGCCTGTCTTCCATGTGGCTTCTGGCATTTCCTCCTGGGGTGGTGGTTTT
GACCTCCCTTCTGTGCTGGCACTGTGGTACTACTACCTCACTCACAGAAGGAAAGAACAGACCCGTGTT
TTCCTGAGCCTTGGACTGTTCTCTCTGGGCTACATGACTATGTGTTCCGCAGGAAGTGGTCCCAAAG
GGCGTGTGGGTCCCGTTACGCTGGCGGTTCTTACCTGCGGTTATTTCTGATACTTAGCCTTGCACAG
AGCCAAGAAGAATCCAGGCTACCTCAGCAATCCAGCAAGCGGTGACAGATCTCTAAGCAGCAGCCAGCTG
GAGTGCCTGAGCAGAAAAGGGCAGGAGAAGACCAAGGGTTCCCTGGGGCAGACATGTCGGGCAGTCTCA
ACAATCGACAACAAAGGATGACCCCAAGGGCTTCCAAGATGCCAGCTGGAAGCCCCACAAAGCGAA
GGAGGACTGGTGTGCCAAGTGCCAGCTGGTGGCAGCCCGGGCATGGCACTGCCGGATATGTGGCATC
TGTGTGAGGAGAATGGATCATCATTGTGTCTGGATAAATAGCTGCGTTGGAGAATCAAATCATCAAGCAT
TTATACTTGCCCTTTTGATCTTCTTGTCTCACCTCGGTGTATGGGATCACACTGACCTTGGACACCATTTG
TAGAGACAGAAGTGTCTTACAGCTCTTTCTATTGTCCTGGAGTTTATGCAAATTACAGCTCGGCTCTG
TCCTTACCTGCGTGTGGTACTCTGTGATCATCACAGCAGGCATGGCCTACATCTTCTGATCCAGCTGA
TCAACATCAGCTACAATGTGACTGAGCGGGAAGTCCAGCAGGCCCTCCGACAGAAGACTGGGCGCCGGCT
CCTCTGCGGGCTCATCGTGGACACAGGGTTACTTGGATGA

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_173570 unedited</p> <pre> NGGGTTCAAAATTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACCAGGCCGCCCG GGCCGCGCGGGCTGTGGTACAGGTGGGCGGCTGCGGCGAGGGAGCGCCGAGCGGAGC CCGGTCCCGGAGACTCCTGCCGTACGCCCGGGGCTCCGCGTAGCAGAGATCGGGAGAC GCGTCTGTGCCTCCGGGAAGCCGACCCATCTCCCTCCGCTCTTTGGCTGCAGTTGCA CCTCCGGCCAGAGGCGAGCGTTGGAGGTTAAGCAGAGAGAGAGAGGCGTGGACATATTT ACGAGATGTAAGTTGTGTTCTTTCCACCTTTACCTTCTGAGGGCTTCTTACGCCTCATGG TGACAGGTGCAAATCATGACACAGAAGGCGAGTATGAAGCCTGTGAAGAAAAGAAAACC GAAGAACCTGAATTGGAGCCCTGTGCTGCTGCGAGTACATAGATCGGAATGGGGAAAAG AACCACGTGGCTACTTGTGTTGTGTGATTGTCAAGATCTGGATGAAGGGTGTGATCGATGG ATTACATGTAATCTTTACAGCCAGAGACTTGTGAAAGAATCATGGATACAATTTCTGAT CGCCTCCGAATTCCTTGGCTTAGGGGAGCCAAAAAGTGAACATCAGCATCATCCCTCCG CTTGTCTGCTGCCTGTCTTCTCATGTGGCTTCTGGCATTTCCTCTGGGGTGGGT GGTTTTGACCTCCCTTCTGTGCTGGCACTGTGGTACTACTACCTCACTCACAGAAGGAA AGACAGACCCTGTTTTCTGAGCCTTGGACTGTTCTCTCTGGGTACATGTAATATGTG TTCTGACAGGAAGTGGGTCCCAAAGGGCGTGTGGGTNCCGTTTACGCTGGGCGTTTACC TGCNNGNNTATTTCTGATACTCTT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_173570 unedited</p> <pre> GGGGGGTAATTGCGTTGNGGGCGGCAATTGGGTTTNNNGAAAANCCNGGNTTCTCC CCTCCGCTATTTTAGGGAGTTCNTTTTTTTTTTTTCCGGTTGGCTTTCGCCATTGTT TCTCCTCGACGTAAGTAATTTGTAATAATTTCCATGTAAAAGGCCTTGTGTCTGAGTCTG AGGTAATAAGAGGATATGATTTCAATTTATAAAAGCAGTGCTTATTGTGCAGCCCCAG CCTCTGTGGGGGGGGGAGAAACCCCTTATTGTTGTTAGACCATTTACTTTAAATATT AAATGTAACACCAGGTAAGATTCTGGGTTTCCTTTCATCTATCATCGAACCCAAATAT GCATTAATCTGACATATGCGGATCCCTACCAATTTCAACCTTCCAATTCCTCAACCAT TATGATCACATTTATTTGAGACCCTGGCTCTGTCCCCTGACCTCTCCCCAGGGGCTCGC TCTTCAAATGAACAATATTTAAATGGGATCAGGCACAAAAATAGACTACCGACTGCTTT AAGAGTCTTGGCCTTTTAAATGTACATCTACATAAGTAAACACCTCCAGGTCGCCGTC GTGAAGCGCTCGCCCACTAAAAATAGTCTCAAGACCCAACCTAAGCCATGCCAGCCAC TGTATATACCATTTGCGCTCCCCTGTACCCCGTCAAACCTTCAAGCCCTGATCGCTGGC AGCCAGCATAGAAGGAACCCGAGTGACCGAGGTCGCGACCCGCTACTGCCATGCCCGC GCGGGCCCCACCACTCATACTGTTTGCCTCATCTCTGCAAACGCACCTACACATCTCC ATCCCCTGAGTACATCTCCCATGGCGCATAATACTCGGTATTCCTCCCCAACATATTGA TCGTCAACAGAATATNTTACCATTTCCTGCTGCCTGCCCTGCT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_173570
<b>Insert Size:</b>	5500 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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).

**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\\_173570.2](#), [NP\\_775841.2](#)

**RefSeq Size:** 3789 bp

**RefSeq ORF:** 1230 bp

**Locus ID:** 254887

**UniProt ID:** [Q8IYP9](#)

**Cytogenetics:** 3q13.31

**Protein Families:** Transmembrane

**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.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (4) differs in the 5' UTR and the 3' structure, resulting in a distinct 3' coding region, compared to variant 1. The encoded isoform (c) has a distinct C-terminus, and is shorter, compared to isoform a.