

## Product datasheet for **RG207272**

### ZDHHC23 (NM\_173570) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZDHHC23 (NM\_173570) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ZDHHC23  
**Synonyms:** DHHC-23; NIDD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207272 representing NM\_173570  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACACAGAAGGGCAGTATGAAGCCTGTGAAGAAAAGAAAACCGAAGAACCTGAATTGGAGCCCTGT  
 GCTGCTGCGAGTACATAGATCGGAATGGGAAAAGAACCACGTGGCTACTTGTGGTGTGATTGTCAAGA  
 TCTGGATGAAGGGTGTGATCGATGGATTACATGTAATCTTTACAGCCAGAGACTGTGAAAGAATCATG  
 GATACAATTTCTGATCGCCTCCGAATTCCTTGGCTTAGGGGAGCCAAAAAAGTGAACATCAGCATCATCC  
 CTCGGCTTGTCTGCTGCCTGTCTTCTTCATGTGGCTTCTGGCATTTCCTCCTGGGGTGGTGGTTTT  
 GACCTCCCTTCTGTGCTGGCACTGTGGTACTACTACCTCACTAACAGAAGGAAAGAACAGACCCCTGTT  
 TTCTGAGCCTTGGACTGTTCTCTCTGGCTACATGTAATATGTGTTCTGCAGGAAGTGGTCCCAAAG  
 GGCGTGTGGGTCCCGTTCAGCTGGCGGTTCTTACCTGCGGTTATTTCTGATACTCTTAGCCTTGCACAG  
 AGCCAAGAAGAAATCCAGGCTACCTCAGCAATCCAGCAAGCGGTGACAGATCTCTAAGCAGCAGCCAGCTG  
 GAGTGCCTGAGCAGAAAAGGGCAGGAGAAGGCCAAAGGGTTCCTGGGGCAGACATGTGGGCAGTCTCA  
 ACAATCGACAACAAAGGATGACCCCAAGGGCTTCCAAGATGCCAGCTGGAAGCCCCACCAAGCGAA  
 GGAGGACTGGTGTGCAAGTGCCAGCTGGTGCACAGCCCGGCATGGCGCTGCCGATATGTGGCATC  
 TGTGTGAGGAGAATGGATCATCATTGTGTCTGGATAAATAGCTGGCTTGGAGAATCAAATCATCAAGCAT  
 TTATACTTGCCCTTTTGATCTTCTTGTCTCACCTCGGTGTATGGGATCACACTGACCTGGACACCATTTG  
 TAGAGACAGAAGTGTCTTACAGCTCTTTTCTATTGCTCCTGGAGTTTATGCAAATTACAGCTCGGCTCTG  
 TCCTTACCTGCGTGTGGTACTCTGTGATCATCACAGCAGGCATGGCCTACATCTTCTGATCCAGCTGA  
 TCAACATCAGCTACAATGTGACTGAGCGGGAAGTCCAGCAGGCCCTCCGACAGAAGACTGGGCGCCGGCT  
 CCTCTGCGGGCTCATCGTGGACACAGGGTACTTGGA

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207272 representing NM\_173570  
 Red=Cloning site Green=Tags(s)

MTQKGSMPVKKKKTEEPELEPLCCCEYIDRNGEKNHVATCLCDCQDLDEGCDRWITCKSLQPETCERIM  
 DTISDRLRIPWLRGAKKVNISIIPPLVLLPVFLHVASWHFLLGVVLTSLPVLALWYYL TNRKEQTLF  
 FLSLGLFSLGYMYVFLQEVVPKGRVGPVQLAVLTCGLFILLALHRAKKNPGYLSNPASGDRSLSSSQL  
 ECLSRKGQEKAKGFPGADMSGSLNNRRTTKDDPKGSSKMPAGSPTKAKEDWCAKQCLVVRPARAWRCRICGI  
 CVRRMDHHCVWINSVCVGSNHQAFILALLIFLLTSVYGITLTLDTICRDRSVFTALFYCPGVYANYSSAL  
 SFTCVWYSVIITAGMAYIFLIQLINISYNTEREVQQALRQKTGRRLCGLIVDTGLLG

SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_173570

**ORF Size:** 1227 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\\_173570.2](#), [NP\\_775841.2](#)

**RefSeq Size:** 3789 bp

**RefSeq ORF:** 1230 bp

**Locus ID:** 254887

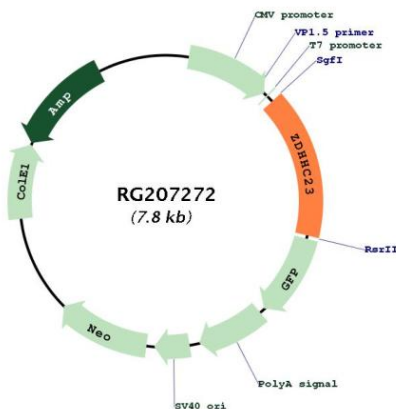
**UniProt ID:** [Q8IYP9](#)

**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]

### Product images:



Circular map for RG207272