

## Product datasheet for **RG207982**

### ZDHHC17 (NM\_015336) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC17 (NM_015336) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZDHHC17
Synonyms:	DHHC-17; HIP3; HIP14; HSPC294; HYPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG207982 representing NM\_015336  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCACGGGGAGGAGGGATTTAACACCAAGATGGCGGACGGCCGGATGAGTACGATACCGAAGCGGGCT  
 GTGTGCCCTTCTCCACCCAGAGGAAATCAAACCCCAAAGCCATTATAACCATGGATATGGTGAACCTCT  
 TGGACGGAAAACTCATATTGATGATTACAGCACATGGGACATAGTCAAGGCTACACAATATGGAATATAT  
 GAACGCTGTGAGAAATGGTGGAAAGCAGGTTATGATGTACGGCAACCGGACAAAGAAAATGTTACCTCC  
 TCCATTGGGCTGCCATCAATAACAGAATAGATTTAGTCAAATACTATATTTGAAAGGTGCTATTGTGGA  
 TCAACTTGGAGGGGACCTGAATCAACTCCATTGCACTGGGCCACAAGACAAGGCCATCTATCCATGGTT  
 GTGCAACTAATGAAATATGGTGCAGATCCTTCATTAATTGATGGAGAAGGATGTAGCTGTATTATCTGG  
 CTGCTCAGTTCGGACATACCTCAATTGTTGCTTATCTCATAGCAAAGGACAGGATGTAGATATGATGGA  
 TCAGAATGGAATGACGCCTTTAATGTGGGCAGCATATAGAACACATAGTGTGGATCCAACCTAGATTGCTT  
 TTAACATTCAATGTTTCAGTTAACCTTGGTGACAAGTATCACAAAAACACTGCTCTGCATTGGGCAGTGC  
 TAGCAGGGAATACCACAGTCATTAGCCTTCTTCTGGAAGCTGGAGCTAATGTTGATGCCAGAATATCAA  
 GGGCGAATCAGCGCTTGATTTGGCAAAACAGAGAAAAATGTGTGGATGATCAACCACTTACAAGAGGCA  
 AGGCAAGCAAAAGGATATGACAAATCCGTCCTTCCCTAGAAAAGCTGAAAGCTGATAAGGAATTTCCGCAGA  
 AAGTAATGTTAGGAACTCCTTTCCTAGTTATTTGGCTGTTGGGTTTATAGCAGACCTAAATATTGATTC  
 TTGGCTCATTAAAGGGCTAATGTATGGTGGTGTGGGCTACAGTACAGTTTCTTCAAATCCTTTTTC  
 GATCATTCAATGCATAGTGCATTGCCCTTGGGATATATTTGGCAACCAATCTGGATGTATGTGACGT  
 GGTCTTCTGGTTTTGGAATGATCTCAACTTTTTATTTATCCATCTTCCATTCCCAATAGTGTTC  
 ACTTTTTCTACAATTTTGGAAAATCTTGGAAATCAGATCCAGGGATTATTAAGCAACAGAAAGCAAAAAG  
 AAAAAGACAATAGTTGAAGTGCAGAGACAGGAAGTCTGGACCTCAGTATATTCTGCAGTACCTGTTTGA  
 TACGAAAACCGGTGAGGTCCAACATTGTGGTGTGCAACCGCTGTATAGCAAAATTTGATCATCATTG  
 CCCATGGTGGTAACTGTGTAGGTGCAGGCAACCATAGATATTTTATGGGCTACCTATTCTTCTGCTT  
 TTTATGATCTGCTGGATGATTTATGGTTGATATCTTACTGGGGACTCCACTGTGAGACCACTTACACCA  
 AGGATGGATTTTGGACATACATTACTCAGATTGCCACGTGTTACCTGGATGTTTTGGATGTTCTCTGAA  
 CAGTGTTTTCCACTTCATGTGGTGGCTGTATTACTCATGTGCAGATGTACCAGATATCATGTTTAGGT  
 ATTACTACAAATGAAAGAATGAATGCCAGGAGATACAAGCACTTAAAGTCAACAACGCTATTGAAA  
 GCCCATCAACCATGGATGTGTAAGAAATATTATAGACTTCTTTGAATTCGATGCTGTGGCCTCTTTCCG  
 TCTGTTATCGTGGACTGGACCAGGCAGTATACAATAGAATATGACCAAAATATCAGGATCTGGGTACCAG  
 CTGGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG207982 representing NM\_015336  
 Red=Cloning site Green=Tags(s)

MQREEGFNTKMADGPDEYDTEAGCVPLHPEEIKPQSHYNHGYGEPLGRKTHIDDYSTWDIVKATQYGIY  
 ERCRELV EAGYDVRQPKENVTLHWAAINNRIDLKYYISKGAIVDQLGGDLNSTPLHWATRQGHLSMV  
 VQLMKYGADPSLIDGEGCSCIHLAAQFGHTSIVAYLIAKGQDVMMDQNGMTPLMWAAYRTHSVDPTRLL  
 LTFNVSVNLGDKYHKNTALHWAVLAGNTTVISLLEAGANVDAQNIKGESALDLAKQRKNVWMINHLQEA  
 RQAKGYDNPSFLRKLKADKEFRQKVMLGTPFLVIWLVGF IADLNIDSWLIKGLMYGGVWATVQFLSKSFF  
 DHSMHSALPLGIYLATKFWMYVTFWFWNDLNF IHLPLANSVALFYNGKSWKSDPGI IKAATEEQK  
 KKTIVEL AETGSLDLSIFCSTCLIRKPVRSKHCGVCNRCIAKFDHHPWVGNVCVAGNHRVFMGYLFFLL  
 FMICWMIYGCISYWGLHCETTYTKDGFWTYITQIATCSPWFMFLNSVFHFMWVAVLLMCQMYQISCLG  
 ITTNERMNARRYKHKVTTTTIESPFNHGCVRNII DFFEFRCCLFRPVIWVTRQYTI EYDQISGSGYQ  
 LV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_015336

ORF Size: 1896 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\\_015336.3](#)

RefSeq Size: 4771 bp

RefSeq ORF: 1899 bp

Locus ID: 23390

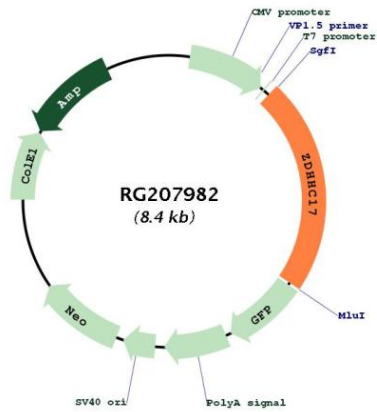
UniProt ID: [Q8IUH5](#)

**Cytogenetics:** 12q21.2

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** Palmitoyltransferase specific for a subset of neuronal proteins, including SNAP25, DLG4/PSD95, GAD2, SYT1 and HTT (PubMed:15603740, PubMed:15489887, PubMed:19139280, PubMed:28757145). May be involved in the sorting or targeting of critical proteins involved in the initiating events of endocytosis at the plasma membrane (PubMed:12393793). May play a role in Mg(2+) transport (PubMed:18794299). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG207982