

Product datasheet for **SC127147**

ZDHHC17 (NM_015336) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC17 (NM_015336) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC17
Synonyms:	DHHC-17; HIP3; HIP14; HSPC294; HYPH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015336, the custom clone sequence may differ by one or more nucleotides

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ATGCAGCGGGAGGAGGGATTTAACACCAAGATGGCGGACGGCCCGGATGAGTACGATACCGAAGCGGGCT
GTGTGCCCTTCTCCACCCAGAGGAAATCAAACCCCAAAGCCATTATAACCATGGATATGGTGAACCTCT
TGGACGGAAAACTCATATTGATGATTACAGCACATGGGACATAGTCAAGGCTACACAATATGGAATATAT
GAACGCTGTCGAGAATTGGTGGAAAGCAGGTTATGATGTACGGCAACCGGACAAAGAAAATGTTACCTCC
TCCATTGGGCTGCCATCAATAACAGAATAGATTTAGTCAAATACTATATTTCGAAAAGGTGCTATTGTGGA
TCAACTTGGAGGGGACCTGAATCAACTCCATTGCACTGGGCCACAAGACAAGGCCATCTATCCATGGTT
GTGCAACTAATGAAATATGGTGCAGATCCTTCATTAATTGATGGAGAAGGATGTAGCTGTATTATCTGG
CTGCTCAGTTCGGACATACCTCAATTGTTGCTTATCTCATAGCAAAGGACAGGATGTAGATATGATGGA
TCAGAATGGAATGACGCCTTTAATGTGGCAGCATATAGAACACATAGTGTGGATCCAACAGATTGCTT
TTAACATTCAATGTTTCAGTTAACCTTGGTGACAAGTATCACAAAACACTGCTCTGCATTGGGCAGTGC
TAGCAGGGAATACCACAGTCATTAGCCTTCTTCTGGAAGCTGGAGCTAATGTTGATGCCAGAATATCAA
GGGCGAATCAGCGCTTGATTTGGCAAAACAGAGAAAAAATGTGTGGATGATCAACCACTTACAAGAGGCA
AGGCAAGCAAAAGGATATGACAATCCGTCCTTCTTAGAAAGCTGAAAGCTGATAAGGAATTTCCGCAGA
AAGTAATGTTAGGAACTCCTTCTAGTTATTTGGCTGGTTGGGTTTATAGCAGACCTAAATATTGATTC
TTGGCTCATTAAAGGGCTAATGTATGGTGGTGGTTGGGCTACAGTACAGTTTCTTTCAAATCCTTTTTC
GATCATTCAATGCATAGTGCATTGCCCTTGGGATATATTTGGCAACCAATCTGGATGTATGTGACGT
GGTCTTCTGGTTTTGGAATGATCTCAACTTTTTATTTATCCATCTTCCATTCTTGCCAATAGTGTTC
ACTTTTCTACAATTTGGAAAATCTTGGAAATCAGATCCAGGGATTATTAAGCAACAGAAGAGCAAAAAG
AAAAAGACAATAGTTGAACTTGCAGAGACAGGAAGTCTGGACCTCAGTATATTCTGCAGTACCTGTTGA
TACGAAAACCGGTGAGGTCCAAACATTGGTGTGTGCAACCGCTGTATAGCAAAAATTTGATCATATTG
CCCATGGTGGGTAAGTGTAGGTGCAGGCAACCATAGATATTTTATGGGCTACCTATTCTTCTTGCTT
TTTATGATCTGCTGGATGATTTATGGTTGATATCTTACTGGGGACTCCACTGTGAGACCACTTACACCA
AGGATGGATTTTGGACATACATTACTCAGATTGCCACGTGTTACCTGGATGTTTTGGATGTTCTGAA
CAGTGTTTTCCACTTCATGTGGTGGCTGTATTACTCATGTGTCAGATGTACCAGATATCATGTTTAGGT
ATTACTACAAATGAAAGAATGAATGCCAGGAGATACAAGCACTTTAAAGTACAACAACGCTATTGAAA
GCCATTCAACCATGGATGTGTAAGAAATATTATAGACTTCTTTGAATTCGATGCTGTGGCCTCTTTTCG
TCCTGTTATCGTGGACTGGACCAGCAGTATACAATAGAATATGACCAAAATATCAGGATCTGGGTACCAG
CTGGTGTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015336 unedited

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TGTATACGACTCCTATAGGGCGGCCGAATTCGCACGAGGCCCGAGCCCCGGGAGGGTG
AAACGCTTTCTCCAGCATGCAGCGGGAGGAGGGATTTAACACCAAGATGGCGGACGGCC
CGGATGAGTACGATACCGAAGCGGGCTGTGTGCCCTTCTCCACCCAGAGGAAATCAAAC
CCCAAAGCCATTATAACCATGGATATGGTGAACCTCTTGACGGAAAACATATTGATG
ATTACAGCACATGGGACATAGTCAAGGCTACACAATATGGAATATATGAACGCTGTCGAG
AATTGGTGAAGCAGGTTATGATGTACGGCAACCGGACAAAGAAAATGTTACCCTCCTCC
ATTGGGCTGCCATCAATAACAGAATAGATTTAGTCAAATACTATATTTGAAAAGGTGCTA
TTGTGGATCAACTTGGAGGGGACCTGAATCAACTCCATTGCACTGGGCCACAAGACAAG
GCCATCTATCCATGGTTGTGCAACTAATGAAATATGGTGCAGATCCTTCATTAATTGATG
GAGAAGGATGTAGCTGTATTATCTGGCTGCTCAGTTCGGACATACCTCAATTGTTGCTT
ATCTCATAGCAAAAGGACAGGATGTAGATATGATGGATCAGAATGGAATGACGCCTNTA
TGTGGGACAGCATATAGACACATAGTGTGGATCCAACANATTGCTTTTACATTATGTTT
CAGTTACCCTTGTGGACAGTATACANAACACTGCTCTGATTGGGCAGTGTAGCAGGAAT
ACCACAGTCATTACCCTTCTCTGGGAGCTGGAGCTATGTTTGGAGCCAGATATCAGGGCG
AATCACGCTTGATTGGCAAAACAAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015336 unedited AATTTTGTCTGCTGGNACCGCGGCCGAANCTAGNATCGAGTTTTTTTTTTTTTTTTTTTT AAAAGTCAGTATTTATTCTGATTAATATTTTACAAAATTTTGACATTTAATTTATGTAAG GAGGGCTAATTTATTAACACTTTACAGGTTTTCTTTCCACAGAATAACACGGTAAGTA GCAAAAATAACTTGGCACAGTTATAAAATAAGAAAATATAAAATAAAAACATCCATAGC TTAAGTACAATGATGCTGTTTTACGCCCATTAATATCAAATAAATCCTGGAAACAACAA AAATATGAATGAAAAAACTCCAAGGAAGTAATTCATGTTTCAGTCTGAGAATTAAGTTC CTATTTGCTAAAAGTATCCAATTAAGTTGATAAGAACTATTCCCAAAGGTTACCCATCAT ACACAACCTTAGAACTGGGTTTATAGTTGGTCCACACACAGGACCTACAAAATAATTAA ACAGATGGTATACTGCTGCATAGCTGGCTCCTGACCATCTGACCATTTCTGAGTTATAGA TTTCACAGGTAACAAGATGGTTACTACAAAAGCATTACATTGCTAGTATTTCCATG TAATTACACATCTAGAGGTTTGTCTTTTAACTGAATGACATCTCTTTTGCCTGAAAAT ATTGTACCACAAACAAGAAGATGGTAACAACATTCTTAGCCAACTCTGAAAAACACC ATAGTCTTAACTGTTGATAAAAAAGTATTCGATAAAATGCAACTGAGTCTTCATGTGAA GTGGCTCAAATACAANAATTAACAATTCTAGCATTTTATAAATACCTTTGAATTA AAATTATCTAAAATTTCCCCATTAGTAGTCAAACCTAGCTGACATTTGTAAGTTACCA ATTTTACTT
Restriction Sites:	NotI-NotI
ACCN:	NM_015336
Insert Size:	4640 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none"> 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_015336.1 , NP_056151.1
RefSeq Size:	4771 bp
RefSeq ORF:	1902 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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).