

Product datasheet for **RR209607**

Zdhhc17 (NM_001039340) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc17 (NM_001039340) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zdhhc17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209607 representing NM_001039340
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGACGCCCGGATGAGTACGATACCGAAACGGGCTGTGTGCCCTTCTCCACCCGGAGGAGATCA
 AACACAGAGCCATTATAACCATGGGTATGGTGAGCCTCTGGGCGGAAAACCCATGTTGATGACTACAG
 CACATGGGACATTGTCAAGGCTACACAATACGGAATATATGAACGCTGCCGAGAATTGGTGAAGCAGGT
 TATGACGTACGGCAACCGGACAAAGAGAACGTTACACTTCTTCACTGGGCTGCCATCAATAACAGAATAG
 ATTTAGTCAAATACTATATTTGAAAGGTGCTATTGTGGATCACTTGGAGGAGACCTGAATTCACTCC
 ATTGCACTGGGCCACAAGACAAGGCCATTTATCCATGGTTGTACAATAATGAAATATGGTGCAGATCCC
 TCATTGATCGATGGTGAAGGGTGCAGCTGTATCCACTGGCTGCTCAGTTGGACATACCTCAATTGTTG
 CTTACCTTATAGCAAAAGGACAGGATGTAGATATGATGGATCAGAACGGAATGACACCTTAAATGTGGGC
 AGCTTATAGAACACATAGTGTGGATCCAACCTAGATTGCTTTTAAACATTCAATGTTTCAGTTAACCTTGGT
 GACAAGTATCACAAAACACTGCTCTGCACTGGGCACTCAGCAGGGAACACCACAGTCATTAGCTTTC
 TTCTGGAAGCTGGAGGGAACGTGGATGCCAGAATGTCAAGGGCGAATCAGCACTTGATTTGGCAAAGCA
 AAGAAAAACGTGTGGATGATCAACATTTGCAGGAGGCAAGGCAGGCGAAGGGTTACGACAACCCGTCC
 TTCCTCAGAAAGCTGAAGGCTGACAAGGAATTCGGCAGAAAGTAATGCTAGGAACCTCATTCTAGTGA
 TTTGGCTAGTTGGGTTTATAGCAGACCTGAACATTGATTCTTGGCTCATTAAAGGGTTAATGTATGGTGG
 TGTGGGCTACAGTACAATTTCTTCCAAGTCTTTTGTATCATTCAATGCACAGCGCATTGCCCTT
 GGGATATATTTGGCAACCAAAATCTGGATGTATGTGACATGGTCTTCTGGTTTTGGAATGATCTCAGCT
 TCTTATCCATCCACCTGCCCTTCTCGCAACAGTGTGCTCTTTCTACAATTTTGGAAAGCTTGGAA
 ATCAGATCCAGGGATCATTAAAGCTACAGAAGAACAAGAAAGACAATAGTTGAACCTGCAGAGACC
 GGCACTCTGGACCTCAGTATATTCTGCAGCACCTGCTTATTGCGAAGCCGGTGAGGTCCAAACCTGTG
 GTGTGTGCAACCGCTGTATAGCGAAATTTGATCACCATTGCCATGGGTGGGTAAGTGTGTATGTGCAGG
 CAACCATAGATACTTTATGGGCTACCTATTCTTCTGCTTTTATGATCTGCTGGATGATTTATGGTTGT
 GTTTCTTACTGGGACTTCACTGTGAGACCACGTACACGAAGGATGGCTTCTGGACATATATTACTCAGA
 TTGCCACATGCTCTCCTGGATGTTTTGGATGTTTCTGAACAGTGTGTTTCAATTCATGTGGGTGGCCGT
 GCTACTCATGTGCAGATGTACCAGATAACATGTTTAGGTATTACTACAAATGAAAGAATGAATGCCAGG
 AGATACAAGCACTTAAAGTTACAACAACATCTATAGAGAGCCATTCAACCATGGATGTGTAAGGAATA
 TTATAGACTTCTTTGAATTCGATGCTGTGGCCTCTTTCGCTCTGTTATCGTGGACTGGACCAGGCAATA
 CACAATAGAGTATGACCAAAATATCAGGATCTGGGTACCAGCTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209607 representing NM_001039340
 Red=Cloning site Green=Tags(s)

MADGPDEYDTEGCVPLLHPEEIKPQSHYNHGYEPLGRKTHVDDYSTWDIVKATQYGIYERCRELVEAG
 YDVRQPKENVTLHWAAINNRIDLKYYISKGAIVDQLGGDLNSTPLHWATRQGHLSMVVQLMKYGADP
 SLIDGEGCSCIHLAAQFGHTSIVAYLIAKGDVDMMDQNGMTPLMWAAYRTHSVDPTRLLLTFNVSVNLG
 DKYHKNTALHWAVLAGNTTVISLLEAGGNVDAQNVKGESALDLAKQRKNVWMINHLQEARQAKGYDNPS
 FLRKLKADKEFRQKVMLGTPFLVIWLVGFADLNIDSWLIKGLMYGGVWATVQFLSKSFFDHSMHSALPL
 GIYLATKFWMYVTWFFWFNDLSFLSIHLPFLANSVALFYNFGKSWKSDPGI IKATEEQKKKIVELAE
 GSLDLSIFCSTCLIRKPVRSKHGVCNRCIAKFDHHCWPVWGNCVCAGNHRYFMGYLFFLLFMICWMIYGC
 VSYWGLHCETTYTKDGFWTYITQIATCSPWFMFLNSVFHFMWVAVLLMCQMYQITCLGITNERMNR
 RYKHKVTTTTIESPFNHGCVRNIIIDFFFRCCGLFRPVIDWTRQYITIEYDQISGSGYQLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3217_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039340

ORF Size: 1866 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

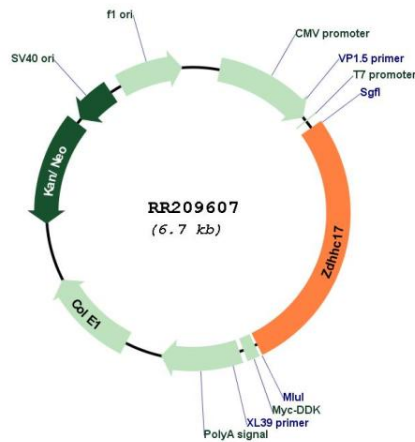
Reconstitution Method:

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_001039340.1](#), [NP_001034429.1](#)
RefSeq Size: 2904 bp
RefSeq ORF: 1869 bp
Locus ID: 366889
UniProt ID: [E9PTT0](#)
Cytogenetics: 7q22
MW: 71.4 kDa

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

Product images:



Circular map for RR209607