

Product datasheet for **MG224789**

Zdhhc17 (NM_172554) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc17 (NM_172554) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc17
Synonyms:	A230053P19Rik; BB187739; D130071N24Rik; Hip14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224789 representing NM_172554
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACGGGAGGAGGGATTTAACACCAAGATGGCGGACGGCCGGATGAGTACGAGACCGAAACGGGCT
 GCGTGCCCTTCTCCACCGGAGGAAATCAAACACAGAGCCACTATAACCATGGCTATGGAGAACCCTCT
 TGGTCGGAAAACTCATATTGATGACTATAGCACATGGGACATCGTCAAGGCGACACAATATGGAATATAT
 GAACGCTGCCGAGAATTGGTGGAAAGCGGTTACGATGTACGGCAACCAGACAAAGAAAATGTTACTCTTC
 TTCATTGGGCTGCCATCAATAACAGAATAGATTTAGTCAAATACTATATTTGAAAGGTGCTATTGTGGA
 TCAACTTGGAGGAGACCTGAATCAACTCCGTTGCACTGGGCCACAAGACAAGGCCATTTATCCATGGTT
 GTACAATAATGAAATATGGTGCAGACCCCTCCTTAATTGATGGGAAGGATGCAGCTGTATCCACTTGG
 CTGCTCAGTTCGGACATACCTCAATTGTTGCTTATCTTATAGCAAAGGACAGGATGTAGATATGATGGA
 TCAGAATGGAATGACCCCTTTAATGTGGGCAGCTTATAGAACACATAGTGTGGATCCAACACTAGATTGCTT
 TTAACATTCAATGTTTCAGTTAACCTTGGTGACAAGTATCACAAAAACACTGCTCTGCACTGGGCAGTCC
 TAGCAGGGAACACCACAGTCATTAGTCTTCTTCTGGAAGCCGGAGGCAATGTGGACGCCAGAACGTCAA
 GGGTGAGTCAGCACTTGATTTGGCAAAGCAAAGAAAAACGTGTGGATGATCAACCATTTGCAGGAGGCA
 AGGCAAGCGAAAGGGTATGACAACCCATCCTTCTCAGAAAGCTGAAGGCTGACAAGGAATTTCCGCAGA
 AAGTAATGCTGGGAACCCATTCTGGTGATCTGGCTGGTCCGGTTTATAGCAGACCTAGACATTGATTC
 TTGGCTCATTAAAGGGTTAATGTATGGTGGCGTTGGGCTACAGTGAATTTCTTCCAAGTCTTCTTT
 GACCATCAATGCACAGCGCATTGCCCTTGGGATATATTTGGCAACCAAATCTGGATGTATGTGACAT
 GGTCTCTTGGTTCTGGAATGATCTCAACTTCTGTTTCCATCCACTCCCTTCTTCCCAACAGCGTTGC
 TCTTTTCTACAATTTTGGAAAGCTTGGAAATCAGATCCAGGGATTATTAAGCTACAGAAGAACAAAAG
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 CCCATGGTGGTAACTGTGTAGGTGCAGGCAACCATAGGTACTTTATGGGGTACCTGTTCTTCTGCTT
 TTCATGATCTGCTGGATGATCTATGGTTGTCTCTTACTGGGCCTTCACTGTGAGACCACGTACACCA
 AGGATGGGTTTTGGACATACATAACTCAGATCGCCACATGCTCCCGTGGATGTTCTGGATGTTTCTCAA
 CAGTGTGTTTCACTTCTGTGGTGGCCGTGCTGCTCATGTGTCAGCTGTACCAGATAACATGTTTAGGT
 ATTACTACAAATGAAAGAATGAACGCCAGGAGATACAAGCACTTTAAAGTTACGACAACATCTATTGAAA
 GCCCATCAACCATGGATGTGTAAGGAATATTATAGACTTCTTTGAATTCGATGCTGTGGCCTCTTTCCG
 TCCTGTTATCGTGGACTGGACCAGGCAGTACACTATAGAATATGACCAAATATCAGGATCTGGGTACCAG
 CTTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224789 representing NM_172554
 Red=Cloning site Green=Tags(s)

MQREEGFNTKMADGPDEYETETGCVPLLHPEEIKPQSHYNHGYGEPLGRKTHIDDYSTWDIVKATQYGIY
 ERCRELV EAGYDVRQPKENVTL LHWAAINNRI DLVKYYISKGAIVDQLGGDLNSTPLHWATRQGHLSMV
 VQLMKYGADPSLIDGEGCSCIHLAAQFGHTSIVAYLIAKGQDVMMDQNGMTPLMWAAYRTHSVDPTRLL
 LTFNVS VNLGDKYHKNTALHWAVLAGNTTVISL LLEAGGNVDAQNVKGESALDLAKQRKNVWMINHLQEA
 RQAKGYDNPSFLRKLKADKEFRQKVMLGTPFLVIWLVGF IADLDIDSWLIKGLMYGGVWATVQFLSKSFF
 DHSMHSALPLGIYLATKFWMYVTFWFFWFDLNF LFIHLPFLANSVALFYNF GKSWSKSDPGI IKAATEEQK
 KKTIVEL AETGSLDLSIFCSTCLIRKPVRSKHCGVCNRCIAKFDHHPWVGNVCV GAGNHR YFMGYLFFLL
 FMICWMIYGCVS YWGLHCETTYTKDGFWYITQIATCSPWFMF LNSVFHFLWVAVLLMCQLYQITCLG
 ITTNERMNARRYKHFKVTTT SIESPFNHGCVRN IIDFFEFRCGLFRPVI VDWTRQYTI EYDQISGSGYQ
 LV

TRTRPLE - GFP Tag - V

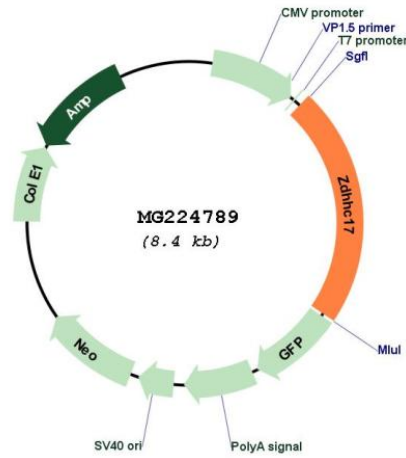
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_172554

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:	<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_172554.2 , NP_766142.2
RefSeq Size:	4563 bp
RefSeq ORF:	1899 bp
Locus ID:	320150
UniProt ID:	Q80TN5
Cytogenetics:	10 D1
Gene Summary:	Palmitoyltransferase specific for a subset of neuronal proteins, including SNAP25, DLG4/PSD95, GAD2, SYT1 and HTT (PubMed:15489887, PubMed:15603741, PubMed:25253725). May be involved in the sorting or targeting of critical proteins involved in the initiating events of endocytosis at the plasma membrane (By similarity). May play a role in Mg(2+) transport (By similarity).[UniProtKB/Swiss-Prot Function]