

## Product datasheet for **MG204174**

### Zdhhc3 (NM\_026917) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc3 (NM_026917) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc3
Synonyms:	1110020O22Rik; 1810006O10Rik; 2210017C02Rik; DHHC-3; GODZ; Gramp1; Zfp373
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204174 representing NM_026917 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCTTATCCCCACCCATCACTTCCGAGACATTGAGCGGAAACCAGAGTACCTCCAGCCAGAGAAGT  
GTGCCCCACCTCCCTCCCTGGTCTGCGGGAGCCATGTGGTTTATCCGAGATGGCTGTGGCATTGCTTG  
TGCCATTGTCACCTGGTTTCTGGTCTCTATGCGGAGTTGTAGTCTCTTTGTCATGCTGGTCCATCC  
CGAGACTACGCGTACAGCATCATCAACGGAATTGTGTTCAACCTGCTGGCCTTCTTGGCCCTGGCCTCCC  
ACTGCCGGCCATGCTGACGGACCCGGGGCAGTGCCCAAAGGAAATGCCACTAAAGAGTTCATCGAGAG  
CCTTCAGCTGAAGCCTGGGCAGGTGGTGTACAAGTGTCCCAAGTGTGACGATCAAGCCGACCGGGCA  
CACCCTGCAGTGTGTAAGCGGTGCATTGCAAGATGGATCACCCTGCTTGGGTCAACAAGTGTG  
TCGGCGAGAACAACCAGAAGTACTTTGTCCTATTCACAATGTACATAGCTCTCATTTCTTGCACGCCCT  
CATCATGGTGGGATTCACCTTCTGCATTGCTTTGAAGAAGACTGGACAAAGTGCAGCTCCTTCTCGCCG  
CCCACCACAGTCATCCTGCTCATCCTGCTGTGCTTTGAGGCCCTGCTCTTCTCATTTTCACATCAGTGA  
TGTTTGGGACCCAAGTACACTCCATCTGCACAGATGAGACGGGCATAGAACAATTGAAAAAGGAAGAGAG  
AAGATGGGCTAAAAAACAAAATGGATGAACATGAAAGCCGTGTTTGGCCACCCTTCTCTTAGGCTGG  
GCCAGCCCCTTGGCCACACCAGCAAGGAAGGCAGACCCGTACCAGTATGTGGTC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

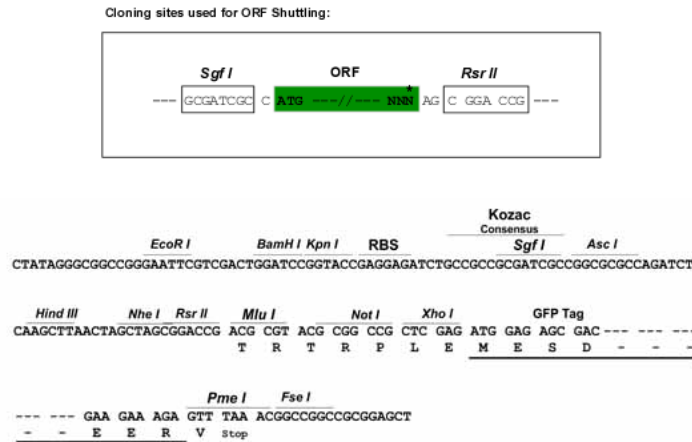
**Protein Sequence:** >MG204174 representing NM\_026917  
Red=Cloning site Green=Tags(s)

MMLIPTHHFRDIERKPEYLQPEKAPPPFPGPAGAMWFIRDGCGIACAIVTWFLVLYAEFVVLVFMVLVPS  
 RDYAYSIINGIVFNLLAFLALASHCRAMLTDPGAVPKGNATKEFIESLQLKPGQVYVKCPKCCSIKPDRA  
 HHCSVCKRCIRKMDHHCPCWVNNVCVGENNQKYFVLFVTMYIALISLHALIMVGFHFLHCFEEDWTKCSSFSP  
 PTTVILLILLCFEALLFLIFTSVMFGTQVHSICTDETGIEQLKKEERRWAKKTKWMNMKAVFGHPFSLGW  
 ASPFATPDQGKADPYQYVV

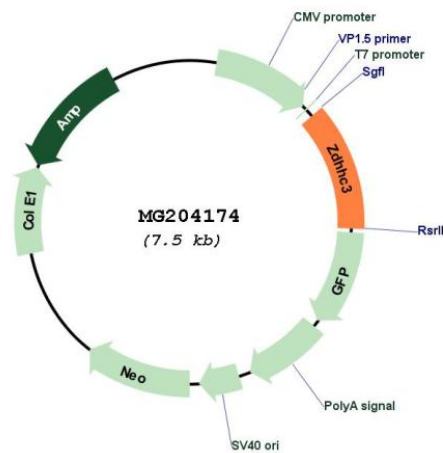
SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_026917

**ORF Size:** 897 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_026917.6</a>
<b>RefSeq Size:</b>	5071 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	69035
<b>UniProt ID:</b>	<a href="#">Q8R173</a>
<b>Cytogenetics:</b>	9 F4
<b>Gene Summary:</b>	Palmitoyltransferase with broad specificity. Palmitoylates GABA receptors on their gamma subunit (GABRG1, GABRG2 and GABRG3), which regulates synaptic clustering and/or cell surface stability (PubMed:15229235). Palmitoylates glutamate receptors GRIA1 and GRIA2, which leads to their retention in Golgi (PubMed:16129400). May also palmitoylate DLG4, DNAJC5 and SNAP25 (PubMed:15603741, PubMed:25253725).[UniProtKB/Swiss-Prot Function]