

## Product datasheet for **MG205157**

### Zdhhc4 (NM\_028379) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zdhhc4 (NM\_028379) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Zdhhc4  
**Synonyms:** 1810021D01Rik; 2900029I10Rik; DHHC-4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG205157 representing NM\_028379  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTTCTGGTTCTTCTTGTGTTCTACTTGGCCTTCTTATTGATTTGTGTTGCTGATCTGCATCT  
TCACAAAAGCCAGCGTTTGAAGGCCGTGGTCTTGGAGGAGCACAGGTGTGCTCCAGGGTAATCCCGCA  
GTGCCTCCAGAGGGCCGTGCAGACGTTCTTATCAGCTCTTCCACACAGCCACCCACCTTCATCGTC  
TTGCACCTGCTCTTGAAGGGCTAGTGTATGCAGAATACACCTGCGAGGTCTTCGGCTATTGCCGGGAGC  
TGGAGTTCTCTGCCTTACCTTCTCCTGCCCTATGTGCTGCTAAGCGTGAACCTGGTGTCTTCCACCT  
GACTTGTGCCCAATCCTGGTACCATCACTAAAGCAAACGAATCATTTCTTCTGCAAGTCTATAAATTC  
GATGATGTGATGTTTCCAAGAAGTCTGAGGTGCCCACTTGCATTTAAGGAAACAGCCCGCTCCAAGC  
ACTGCAGGTTGTGTGACCGCTGTGTGCACCGGTTCCGACCATCACTGTGTTGGGTGAACAACTGCATCGG  
GGCCTGGAACACCAGGTACTTCTCATTACCTCCTGACGCTGACGGCTTCTGCTGCCACCATAGCCACC  
GTGACTGCTGCCTTCTGCTCCGCTAGTGACAGTGTCTGATCTTACCAGGAACTTACCTAGATGACG  
TGGGGCATTCCAGGCTGTGGACACTGTCTTCTTATTGAGCATCTGTTCTGCTGGCATTCCAAGGATTGT  
CTTCTACTGGGCTTTGTATCGTTTGGAGCATGCTCCTGGCTGGCTACTGTGCTTTGCTGTACCTG  
GCTGCCACCAACCAGACCACAAAATGAATGGTATAAAGGCGACTGGCCTGGTGGCAGCGCTGGCCTCTGG  
TGGCTTGGTCCCATCAGCTGAGCCCGGATCCACCAGAACATTCACTCCACGGGTTTAGGAGCAACCT  
TCGAGAGATCTTCTACCTGCTACCCCCAGTTACAAGAAAAAGGAGAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205157 representing NM\_028379  
 Red=Cloning site Green=Tags(s)

MDFLVLFVLYLAFLLICVVLICIFTKSQRLKAVLVGGAQVCSRVIPOCLQRAVQTLHLHQLFHTRHPTFIV  
 LHLLQLGLVYAEYTCVEVFGYCRELEFSLPYLLLPYVLLSVNLVFFTLTCAANPGTITKANESFLLQYKFK  
 DDVMFPKNSRCPCTDLRKPARKSKHCRLCDRCVHRFDHHCVWVNNCIGAWNTRYFLIYLLTLTASAATIAT  
 VTA AFLRLRLVTVDLYQETYLDVGHFQAVDTVFLIQHLFLAFPRIVFLLGFVIVLSMLLAGYLCFALYL  
 AATNQTTNEWYKGDWAWCQRWPLVAWSPSAEPRIHQNIHSHGFRSNLREIFLPATPSYKKKEK

TRTRPLE - GFP Tag - V

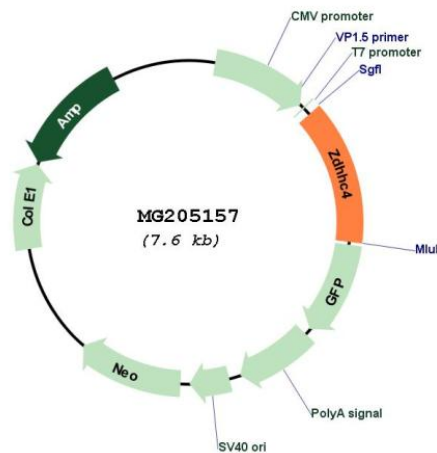
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_028379

**ORF Size:** 1029 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_028379.5</a>
<b>RefSeq Size:</b>	1331 bp
<b>RefSeq ORF:</b>	1032 bp
<b>Locus ID:</b>	72881
<b>UniProt ID:</b>	<a href="#">Q9D6H5</a>
<b>Cytogenetics:</b>	5 G2
<b>Gene Summary:</b>	Palmitoyltransferase that could catalyze the addition of palmitate onto protein substrates including the D(2) dopamine receptor DRD2.[UniProtKB/Swiss-Prot Function]