

## Product datasheet for **MG205587**

### Zdhhc9 (BC042618) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc9 (BC042618) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc9
Synonyms:	6430508G22; 9530098M12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205587 representing BC042618 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGTGATGGTGGTAAGAAAGAAGGTGACACGGAAATGGGAGAACTCCCAGGCAGGAACACCTTCT  
GCTGTGATGGCCGCTCATGATGGCCCGCAAAGGGCATCTTCTACCTGACCCTTCTCCTCATCTGGG  
GACATGTACTCTTCTTTGCCCTCGAGTGTGCTACCTGGCTGTTGAGTGTCTCCTGCCATTCCTGTG  
TTTGCCGCTATGCTCTTCTTTTCTCCATGGCCACGCTGTTGAGGACAAGTTTCAGTGACCCTGGAGTGA  
TTCTCGAGCACTACCAGATGAAGCAGCTTTCATAGAAATGGAAATAGAAGCCACCAATGGTGCCGTGCC  
ACAGGGCCAGCGACCACCTCCTCGTATTAAGAATTTCCAGATAAACAACCAGATTGTGAAACTGAAATAC  
TGTTATACATGCAAGATCTCCGGCCTCCCAGGGCCTCCATTGTAGCATCTGTGACAACTGTGTGGAGC  
GCTTCGACCATCACTGCCCTGGGTGGGAACTGTGTTGGAAAGAGGAACTACCGCTACTTCTACCTCTT  
CATCCTCTCTCTCCCTCCTCAAAATTTATGTCTTCGCCTTTAACATCGTCTATGTGGCCCTCAAATCC  
TTGAAATTTGGCTTCTGGAGACACTGAAAGAAACGCCTGGAAGTGTCTGGAAGTACTCATTGCTTCT  
TCACTCTCTGGTCTGTTGTGGGGCTGACTGGATTTACACATTCCTGTGGCTCTCAATCAGACCACAA  
TGAAGACATCAAAGGATCATGGACAGGGAAGAATCGTGTGCAGAATCCGTACAGCCACGGCAACATTGTG  
AAGAAGTGTGAAGTGTCTTTGGCCCTTGGCCCTGCTGGATCGAAGGGGTATTTGGCCAC  
TGGAGGAAAGTGAAGTGCACCTCAAGTACTCAAGAGACCAGCAGTAGCCTGTTGCCACAGAGCCAGC  
CTCCACAGAGCATATGAACTCTAATGAGATGGCAGAGGACACCAGCATTCTGAAGAGATGCCACCTCCA  
GAACCCACAGAGCCACCACAGGAGGCATCCGAAGCTGAGAAG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205587 representing BC042618  
Red=Cloning site Green=Tags(s)

```
MSVMVVRKKVTRKWEKLPGRNTFCCDGRVMMARQKGIFYLTLFLILGTCTLFFAFECRYLAVQLSPAIPV
FAAMLFLFSMATLLRSTFSDPGVIPRALPDEAAFIEMEIEATNGAVPQQQRPPRIKNFQINNQIVKLKY
CYTCKIFRPPRASHCSICDNCVERFDHHCWPWGNVCVGNRYRYFLFILSLLLTIYVAFNIVYVALKS
LKIGFLETLKETPGTVLEVLICFFTLWSVVGLTGFHTFLVALNQTNEDIKGSWTGKNRVQNPYSHGNIV
KNCCVLCGPLPPSVLDRRGILPLEESGRPPSTQETSSSLLPQSPASTEHEMNSNEMAEDTSIPEEMPPP
EPPEPPQEASEAEK
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC042618

**ORF Size:** 1094 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:**

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:** [BC042618](#), [AAH42618](#)

**RefSeq Size:** 2892 bp

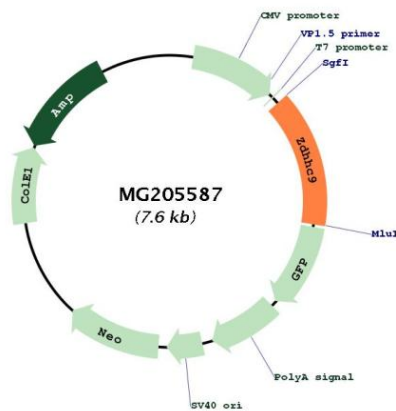
**RefSeq ORF:** 1094 bp

**Locus ID:** 208884

**Cytogenetics:** X A5

**Gene Summary:** The ZDHHC9-GOLGA7 complex is a palmitoyltransferase specific for HRAS and NRAS. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG205587