

## Product datasheet for **MG222946**

### Zdhhc18 (NM\_001017968) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc18 (NM_001017968) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222946 representing NM_001017968 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGACTGCGAGTACCAGCAGATAAGCCCCGGGGCCGCCCGCCCGCTCCCCGGGGCGCGTC  
GCCCGGGCCCCGCGCGCCCCCTGCTCCAAGCCCCGGGCCCGCGCTGGCGCGCCGCGTGGAGCGGCAG  
CGGCAGCGGCAGCGGGAGCCTGGGCCCGCGCCCCGGCGTAAGTGGGAGGTGTTCCCGGGCCGAACCGC  
TTCTACTGCGGAGCGGCTCATGCTGGCCGGCCACGGCGGTCTTCGCGCTCACGCTGCTGCTCATCC  
TCAGCACCACCATCCTCTTCTTCGCTCTCGACTGTCCCTACCTGGCCCGCACACTGACCCGGCCATTCC  
TATCATCGCTGCCATCCTCTTCTTCTTCGTCATGAGCTGTCTCCTGCAGACCAGTTTCACGGACCCGTGC  
ATCCTGCCCCGGGCCACCATCTGTGAGGCCGCTGCCCTGGAGAAGCAGATCGATAACACAGGCAGCTCCA  
CATACCGACCGCCCCCTCGGACTCGGGAGGTGATGATCAACGGGCAGACAGTGAAACTCAAGTATTGCTT  
CACCTGTAAGATGTTTCGGCCTCCCCGGACCTCGCACTGCAGTGTCTGCGACAACGTGTGGAACGGTTT  
GACCATCACTGCCCTGGGTGGGCAACTGTGTGGGAGACGGAACACCGCTTCTTTATGCGTTTATTC  
TCTCCCTCTCCTTCTTGACGGCCTTCATCTTCGCTGCGTGGTCAACACCTGACCCCTTCTTTCTCAAGG  
AAGCAACTTCTCTCGCTCTGAAAAGACACCAGCAAGTGTGCTGGAGTTGGTCATCTGCTTCTCTCA  
ATCTGGTCCATCCTGGGCTCTCAGGGTCCACACGTACCTCGTGGCCTCAACCTGACAACCTAACGAAG  
ATATCAAAGGGTCTTGGTCCAGCAAGAGGGGTGGCGAGGGCTCTGTCAACCCCTACAGCCATAAAGTAT  
TATCACCAACTGCTGTGCTGTGCTGTGGCCACTGCCTCCCAGCCTGATTGACCGCGCAGGATTCTGTG  
CAGTCTGATACCGGTTGCCCTCGCCATCAGAAGTATGACCCGGCCTGTGGAGCCAAGCCAGACGCCA  
GCATGGTAGGAGGCCACCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG222946 representing NM\_001017968  
Red=Cloning site Green=Tags(s)

```
MKDCEYQQISPGAAPPPASPGARRPGPAAPPAPSPGPAPGAPRWSGSGSGSGLGRRPRRKWEVFPGRNR
FYCGGRLMLAGHGGVFALLLLLILSTTILFFVFDPCYLARTLTLAIPIIAAILFFVMSCLLQTSFTDPG
ILPRATICEAAALEKQIDNTGSSTYRPPPTREVMINGQTVKLKCYCTCKMFRPPRTSHCSVCDNCVERF
DHHCPWVGNCVGRRRNYRFFYAFILSLSFLTAFIFACVVTHLTLLSQGSNFLSALKKTPASVLELVICFFS
IWSILGLSGFHTYLVASNLTTNEDIKGSWSSKRGGEASVNPYSHKSIITNCCAVALCGPLPPSLIDRRGFV
QSDTALPSPIRSDDPACGAKPDASMVGGHP
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_001017968

**ORF Size:** 1140 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:** [NM\\_001017968.2](#), [NP\\_001017968.2](#)

**RefSeq Size:** 2847 bp

**RefSeq ORF:** 1143 bp

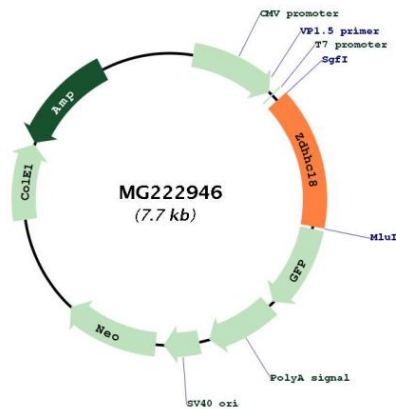
**Locus ID:** 503610

**UniProt ID:** [Q5Y5T2](#)

**Cytogenetics:** 4 D2.3

**Gene Summary:** Has palmitoyltransferase activity towards HRAS and LCK.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG222946