

## Product datasheet for MR204365

### Zdhhc7 (NM\_133967) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc7 (NM_133967) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zdhhc7
Synonyms:	AL024087; Gramp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204365 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCCGTCGGGACACAGGCTCCGGGACATCGAGCACCATCCTCTCCTGACTGACAATGACAATTACG  
ACTCAGCATCCTTTCGTCCTCCGAGACTGACATGGCAGACAGGGTGTGGTTCATCCGAGATGGCTGTGG  
CATGGTCTGTGCTGTCATGACGTGGCTTCTCGTCGTCTATGCAGACTTCGTGGTACCTTTGTCATGCTG  
CTGCCTCCAAAGACTTCTGGTACTCCGTGGTGAACGGAGTCCTTTCAACTGCTTGGCGGTGCTCGCGC  
TGTCTCCACCTGAGAACCATGCTCACTGACCCGGGTGCTGTCCCAAAGGCAACGCCACGAAGGAGTA  
CATGGAGAGCTTGCAGCTGAAGCCAGGCGAGGTGATCTACAAGTGCCCAAGTGTGCTGCATCAAGCCG  
GAACGTGCCACCACTGCAGTATTTGCAAGAGATGCATTGCAAGATGGACCATCACTGCCCGTGGGTGA  
ACAACGCGTCGGGGAGAAGAATCAGAGGTTCTTCGTGCTTTTACCATGTACATAGCTCTGTCTTCGGT  
TCATGCTCTGATTCTCTGTGGGCTTCAGTTCATCTCCTGCGTCCGAGGGCAGTGGACAGAGTGCAGCGAC  
TTCTCTCCTCCATAACTGTAATCCTGTTGGTCTTCTGTGCCTTGAGGGCTCCTGTTCTTACCTTCA  
CCGAGTCATGTTCCGGCACCAGATCCACTCGATATGCAATGATGAAACAGAGATCGAGAGGCTGAAGAG  
CGAGAAGCCCACGTGGGAGCGCAGGCTGCGGTGGGAAGGAATGAAGTCTGTCTTCGGGGGCCCTCCCTCC  
CTCCTCTGGATGAACCCCTTCGTTGGCTCCGACTCAGGCGGCTGCAGATGAGGACCAGGAAAGGAGGCC  
CCGAGTTCTCTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204365 protein sequence  
Red=Cloning site Green=Tags(s)

MQPSGHLRLDIEHHPLLTDNDNYDSASSSSSETDMADRVWFIRDGCGMCAVMTWLLVVYADFVVTFVML  
 LPSKDFWYSVNVGVLFNCLAVLALSSHLRTMLTDPGAVPKGNATKEYMESLQKPGVEVIYKPKCCCIKP  
 ERAHHCISICKRCIRKMDHHCWPVWNNVCVGEKNQRFFVLFTMYIALSSVHALILCGLQFISVVRGQWTECSD  
 FSPPITVILLVFLCLEGLLFFFTAVMFGTQIHSICNDETEIERLKSEKPTWERRLRWEGMKSVFGGPPS  
 LLWMNPFVGFRLRRLQMRTRKGGPEFSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133967

**ORF Size:** 927 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\\_133967.3](#), [NP\\_598728.1](#)

**RefSeq Size:** 2874 bp

**RefSeq ORF:** 927 bp

**Locus ID:** 102193

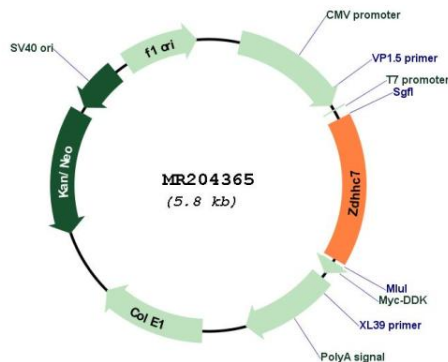
**UniProt ID:** [Q91WU6](#)

**Cytogenetics:** 8 E1

**MW:** 35.2 kDa

**Gene Summary:** Palmitoyltransferase with broad specificity (PubMed:15603741, PubMed:25253725). Palmitoylates JAM3 (By similarity). Palmitoylates SNAP25 and DLG4/PSD95 (PubMed:15603741, PubMed:25253725). Palmitoylates sex steroid hormone receptors, including ESR1, PGR and AR, thereby regulating their targeting to the plasma membrane and their function in rapid intracellular signaling upon binding of sex hormones (By similarity). May play a role in follicle stimulation hormone (FSH) activation of testicular Sertoli cells (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR204365