

Product datasheet for **RG227047**

ZDHHC7 (NM_001145548) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC7 (NM_001145548) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZDHHC7
Synonyms:	DHHC7; SERZ-B; SERZ1; ZNF370
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227047 representing NM_001145548 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCCATCAGGACACAGGCTCCGGGACGTCGAGCATCATCCTCTCCTGGCTGAAAATGACAACTATG
 ACTCTTCATCGTCCTCCTCCGAGGCTGACGTGGCTGACCGGGTCTGGTTCATCCGTGACGGCTGCGG
 CATGATCTGTGCTGTCATGACGTGGCTTCTGGTCGCCTATGCAGACTTCGTGGTGACTTTCGTATGCTG
 CTGCCTTCCAAAGACTTCTGGTACTCTGTGGTCAACGGGGTCATCTTAACTGCTTGCCCGTGCTTGCCC
 TGTCAATCCACCTGAGAACCATGCTCACCGACCCTGAAAAATCCAGTGACTGCCGACCATCTGCCTGCAC
 AGTGAAAAGTGGGCTGGACCCAAACCTTGTGGGCATTTGTGGTGAGGGAACCGAGTCTGTGCAAAGCCTC
 CTGCTTGGGGCAGTACCCAAAGGAAACGCTACGAAAGAATACATGGAGAGCTTGCAGCTGAAGCCCGGGG
 AAGTCATCTACAAGTGCCCAAGTGCTGCTGTATTAAACCCGAGCGCGCCCACTGCAGTATTTGCAA
 AAGATGTATTCGAAAATGGATCATCACTGCCCCGTGGGTGAACAATTGTGTAGGAGAAAAGAATCAAGA
 TTTTTGTGCTCTTCACTATGTATATAGCTCTGTCTTCAGTCCATGCTCTGATCCTTTGTGGATTTCAGT
 TCATCTCCTGTGTCGAGGGCAGTGGACTGAATGCAGTGATTTTTCACCTCCGATAACTGTAATCCTGTT
 GATCTTCTGTGCTTGAGGGTCTTCTGTTTTCACTTTCAGTGCAGTTATGTTTGGCACCCAAATCCAC
 TCCATATGCAACGACGAGACGGAGATCGAGCGATTGAAAAGTGAGAAGCCACATGGGAGCGGAGGCTGC
 GATGGGAAGGGATGAAGTCCGTCTTTGGGGGGCCCCCTCACTCCTCTGGATGAATCCCTTTGTGGGCTT
 CCGATTTAGGCGACTGCCACGAGACCCAGAAAAGGTGGCCCGGAGTTTCTCAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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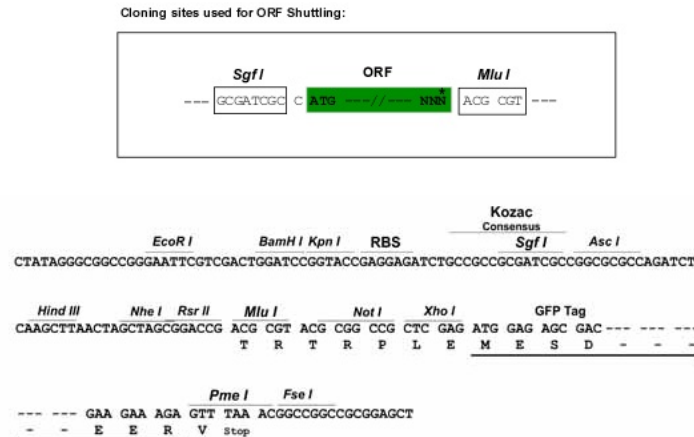
Protein Sequence: >RG227047 representing NM_001145548
 Red=Cloning site Green=Tags(s)

MQPSGHRRLRDVEHHPLLAENDNYDSSSSSSSEADVADRVWFIRDGCGMICAVMTWLLVAYADFVVTfVML
 LPSKDFWYSVNGVIFNCLAVLALSSHLRTMLTDPEKSSDCRPSACTVKTGLDPTLVGICGEGTESVQSL
 LLGAVPKGNATKEYMESLQLKPGEVIYKCPKCCCIKPERAHHCSICKRCIRKMDHHCPWVNNVCVGEKNQR
 FFVLFTMYIALSSVHALILCGFQFISCVRGQWTECSDFSPITVILLIFLCLEGLLFFFTAVMFGTQIH
 SICNDETEIERLKSEKPTWERRLRWEGMKSVFGGPPSLLWMNPFVGFRFRRLPTRPRKGGPEFSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145548

ORF Size: 1035 bp

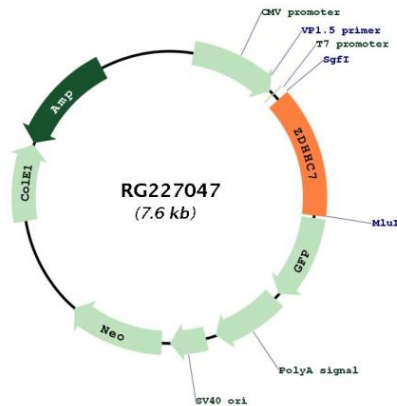
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_001145548.2</u>
RefSeq Size:	3279 bp
RefSeq ORF:	1038 bp
Locus ID:	55625
UniProt ID:	<u>Q9NXF8</u>
Cytogenetics:	16q24.1
Protein Families:	Transmembrane
Gene Summary:	Palmitoyltransferase with broad specificity (PubMed:22031296, PubMed:28196865). Palmitoylates JAM3 (PubMed:28196865). Palmitoylates SNAP25 and DLG4/PSD95 (By similarity). 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 (PubMed:22031296). 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 RG227047