

Product datasheet for **SC114015**

ZDHHC7 (NM_017740) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC7 (NM_017740) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC7
Synonyms:	DHHC7; SERZ-B; SERZ1; ZNF370
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114015 sequence for NM_017740 edited (data generated by NextGen Sequencing) ATGCAGCCATCAGGACACAGGCTCCGGGACGTCGAGCATCATCCTCTCTGGCTGAAAAT GACAACTATGACTCTTCATCGTCCTCCTCCGAGGCTGACGTGGCTGACCGGGTCTGG TTCATCCGTGACGGCTGCGGCATGATCTGTGCTGTCATGACGTGGCTTCTGGTCGCCTAT GCAGACTTCGTGGTGACTTTCGTCATGCTGCTGCCTTCCAAAGACTTCTGGTACTCTGTG GTCAACGGGGTCATCTTTAACTGCTTGGCCGTGCTTGCCTGTATCCCACCTGAGAACC ATGCTCACCGACCCTGGGGCAGTACCCAAAGGAAACGCTACGAAAGAATACATGGAGAGC TTGCAGCTGAAGCCTGGGAAGTCATCTACAAGTGCCCAAGTGCTGCTGTATTAACCC GAGCGCGCCCACTGCAGTATTTGAAAAGATGTATTCGAAAATGGATCATCACTGC CCGTGGGTGAACAATTGTGTAGGAGAAAAGAATCAAAGATTTTTGTGCTCTTCACTATG TATATAGCTCTGTCTTCAGTCCATGCTCTGATCCTTTGTGGATTTCAAGTCATCTCCTGT GTCCGAGGGCAGTGGAATGCAAGTATTTTACCTCCGATAACTGTAATCCTGTTG ATCTTCCTGTGCCTTGAGGGTCTTCTGTTTTCACTTTCACTGCAGTTATGTTTGGCACC CAAATCCACTCCATATGCAACGACGAGACGGAGATCGAGCGATTGAAAAGTGAGAAGCCC ACATGGGAGCGGAGGCTGCGATGGGAAGGGATGAAGTCCGTCTTTGGGGGGCCCCCTCA CTCCTCTGGATGAATCCCTTTGTGGGCTCCGATTTAGGCGACTGCCACGAGACCCAGA AAAGGCGGCCCCGAGTTCTCAGTGTGA Clone variation with respect to NM_017740.2 375 c=>t;906 t=>c



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017740 unedited
 TTCGAATTTTGTAAACGACTTACTATAGGGCGGCCGCGAATCGGCACGAGGCGCGGGG
 CCCGCTCCAGCCCGGCCATGAGCGCGGCCGCATGATGCGTCCCTCGGCCGCTGCAG
 TCGCCGCCGCCGCCGCCGAGGCCGGGAGGAGCCGAGCGCCGGGCGACCCCGCCGGGC
 CTCGGATCCGATCACATAGGACAGTATGCACCTTAAGATCCTGAAGAAACGGCACAAAT
 GTTCAAGTGATGTTTAGAAATAACTTGTGAGGGTGCCTCAGGGAAATCATGCAGCCATCA
 GGACACAGGCTCCGGGACGTGAGCATCATCTCTCCTGGCTGAAAATGACAACTATGAC
 TCTTCATCGTCTCTCTCCGAGGCTGACGTGGCTGACCGGGTCTGGTTCATCCGTGAC
 GGCTGCGGCATGATCTGTGCTGTCATGACGTGGCTTCTGGTCGCCTATGCAGACTTCGTG
 GTGACTTTCGTATGCTGCTGCCTTCCAAAGACTTCTGGTACTCTGTGGTCAACGGGGTC
 ATCTTTAACTGCTTGGCCGTGCTTGCCCTGTATCCACCTGAGAACCATGCTCACCAGC
 CCTGGGGCAGTACCCAAAGGAAACGCTACGAAAGAATACATGGAGAGCTTGACAGTGAAG
 CCTGGGGAAGTCATCTACAAGTCCCCAAGTGTGCTGTATTAACCCGAGCGCGCNCAC
 CACTGCAGTATTTGCANAAGATGTATTCGAAAATGGATCATCACTGGCCCGTGGGTGAA
 CAATTGTGTAGGAGAANAGATCANAGATTTTTTGGGCTTCACTATGTATATAGCTCTG
 TCTTCAGTCATGCTCTGATCCTGTGGATTTCAGNTATCTCTGTGTTCCGAGGCAGTGG
 ACTGAATGCAGTGATTNTTCACTCCGATACTGTATC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017740 unedited
 CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAACTGTTAATTGATTACTT
 TATTTTCATATAAAAGTTACATTGGAAAGAAGAGGTTGAAAAGTCAAGTATACTTGATTTG
 CACACACTTGCCAAGTCTACAAGATTCAACCACTTGGATAATTGTTTTATTGATAACAG
 GATATACATATTTAAAGCCTCACACTGAAGCCACACGCATGTCCAACCCAGACAACAAT
 GTGCAAAATGAATATGCAGAACAACTCTCGGAAACTGGCGTCTCCAGGATCACCACACTTT
 GTCCCTCTGGCTGTGACGCAGCTCTTCCCCAACGGCGCACACGCTTCTGCGGTGACCAA
 GTCCACTTCCAAACCCCTGCAGGTTTGCTCGCTTGGCTAGGACGGTGGCTCAGGTAGGT
 CCCTTTGTGGTTTTGCATCAGCAGTGGTAGAAGCCCTGATTCCGATGGGTACAGAGTAA
 TAAAAACAAAAACAGTTTACAGATGAACAGAAAGGCAAAACAATCCCAGGAGGGAGA
 CGCCAACCTTCTCTAGTGTGGAGGGCAAGCATAAAGGAAGACCCTCAGACTTTGTACAG
 ATTGCTTCTTGATGCGTCCGGCAAAAAATGTACAAACCAGGCAAGTTTAAGGCCAGGCCC
 CACGAGGGGAGCTGTTGGCTTTCTGGCATAANTTTAAGCTCCGCACCAAGATCCTATTT
 ATCACCTGTGCCGTGGGTGGAGAGGAAACGTAAAAGCTACCAAAAACCTCCACAAGAGGGC
 GCCATCTGGGCATTCCCGACTGGAGCGCTGCCTGCGGTGTACAATCCCCCTGGCAGG
 GGCGTGCTCCTTTAGGGCCCTTTCTTTCCAGAGGTGCCAATGGTTTGGCCCTGTCTCT
 TCAAAAAGGATGCCTTCCTGGCCCAACAAAATTGGCTTGCCAATTTTAAGTACCCAAC
 CGCAGT

Restriction Sites:

NotI-NotI

ACCN:

NM_017740

Insert Size:

3000 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017740.1](#), [NP_060210.1](#)

RefSeq Size: 3172 bp

RefSeq ORF: 927 bp

Locus ID: 55625

UniProt ID: [Q9NXF8](#)

Cytogenetics: 16q24.1

Domains: zf-DHHC

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]

Transcript Variant: This variant (2) lacks a coding exon but maintains the reading frame compared to variant 1. The resulting isoform (2) is shorter but has the same N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.