

Product datasheet for SC112505

ZDHHC6 (NM_022494) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC6 (NM_022494) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC6
Synonyms:	DHHC-6; DHHC6; ZNF376
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112505 sequence for NM_022494 edited (data generated by NextGen Sequencing)

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ATGGGTACATTCTGTTCCGTTATCAAGTTTGAAAATCTACAAGAATTAAGAGACTGTGT
CACTGGGGTCCCATCATAGCCCTTGGTGTATAGCAATATGTTCTACCATGGCCATGATT
GACTCTGTGTTGTGGTATTGGCCCTTACATACTGGAGGAAGTGAATTTTCATCATG
TTGATAAATTGGACTGTCATGATTCTTTATAATTACTTCAATGCCATGTTTGTGGTCCG
GGCTTTGTCCCTCTGGGGTGGAAACCGGAAATTTCTCAGGATACCATGTATCTCCAGTAT
TGTAAGTCTGCCAAGCATACAAGGCACCACGTTACATCACTGCAGAAAGTGAACAGA
TGTGTGATGAAGATGGACCATCACTGTCCTTGGATCAACAAGTGTGGTTACCAAAAT
CATGCTTCGTTCCACTGTTTCTCCTTTTAGCACCCTGGGTTGTATCCATGCTGCTTTT
ATTTTTGTGATGACTATGTACACACAGCTTTATCATCGGCTCTCCTTTGGGTGGAACACA
GTGAAGATCGACATGAGTGCAGCCCGGAGAGATCCTCTTCCAATTGTTCCATTTGGATTA
GCTGCATTTGCTACACCTTGTTTGCCTTGGGATTAGCTTTAGGAACAACCATAGCTGTT
GGGATGTTGTTTTTATCCAGATGAAAATAATTCTCAGAAAACAAAACCTTCTATTGAGTCA
TGGATTGAAGAGAAGGCTAAAGATCGAATTCAAGTATTATCAACTAGATGAAGTCTTTGTT
TTTCCATATGATATGGGAAGTAGATGGAGGAACCTTAAACAGGTATTTACGTGGTCAGGG
GTCCCTGAAGGAGATGGACTTGAGTGGCCAGTAAGAGAAGGCTGTACCAATACAGCTTA
ACAATAGAACAGTTGAAACAAAAAGCAGATAAGAGAGTCAAGAGTGTTCGCTATAAAGTA
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AGTCCCTGCACCGAAGAGCCTCGAATACAGCTGCAAAAAGGGGAATTCATTTTAGCCACA
AGAGGTTTACGATACTGTTATATGGAGACAAAATTTGATGATTCTTTATAGAAGGT
GTTTCAAGAATAAGGGTTGGTCCCTAGAAAATGTGTGGAAAAGTGCCTGTGATGCT
GAAACAGATCAAGCCCCAGAGGGGAGAAGAAAATAGATAG

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Clone variation with respect to NM_022494.1

9 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022494 unedited</p> <pre> TTCAAATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCGCAGGG GCCTGAGCGGGAGAGTCTTGGCGAGGGCGCTGGCCGAGAGGTGCTCGGCTTGTAGCAGGT CCCGCACTCCAGCCTCTCGCTGCCAGGGTTTGTCTCTGCTTGTCTGGGCTGAGGTGTC CATGACGGAGTCAATCAAGGAGGAAAAATCTGTTCCGGGTGAGCCCAGGCCGCCCGGA TATGCGATGGCTGAGGAGCAGACACCAGGACCACACTGAGGTTGGGTTTCAGACCAAGA CACTGGATTCTCCTAGTTAAGATAAAGAGCTTTGGGTGCCTGACAGTGAAAATGGTGTA TCTGCGTTAACAGTTCACAGCTTGAAGGCATGACAATTAAGAACACACATGGACTTGTG GCACATGGAAATGTGCGCACAGAAAAAGGAAATCTATAATTCTTTTAAAGTAGGAAGCA TTCTTCTTGCACAAAATGGGTACATTCTGTTCCGTTTATCAAGTTTAAAAATCTACAAGAA TTAAAGAGACTGTGCTACTGGGGTCCCATCATAGCCCTTGGTGTATAGCAATATGTTCT ACCATGGCCATGATTGACTCTGTGTTGTGGTATTGGCCCTTACATACTGGAGGAAAGT GTGAATTCATCATGTTGATAAATTGGACTGTCATGATTCTTTATAATTACTTCAATGCC ATGTTTGTGCGTCCGGCTTTGTCCCTCTGGGGTGGAAACCCGNAATTNCTCANGATACC ATGTATCTNCAGTATTGTAAGTCTGCCNAGCATACAAGGCACACGTTTACATCACTGC AGAAAGTGAACAGATGTGTGATGAAGATGGACATCACTGTCCTTGGATCAACACTGTTG TGTTACCAAATCATGCTTCGTNACACTGTNNTCTCTTTAGCACCACTGGGTTG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022494 unedited</p> <pre> AAGCTTGCCCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATA CCCAACATCCATTGATCTTTATTTGATTTGACAAAATCTGCATTTTTAAAAGACAGGTAA CAAAATCTGAGGTTATACTGAATCTGACAAATTGAGTTCTATAGTATCTAGAATATCATA TAAGAAATATCAACTGAGGGAAAAGAGAAGTACCACATGCAGATGCTCCTGGCAAGGGGG GAACTGTATCTGCAGGTGAGTCCAAGTGTGCAGTGCATAAGAAAATCCTACAGAACAT GCCGTTAACTTACTTGGATGAAATGTTTTCCCTTTGAGGGGGAGGAACAGGTGGTAAAGA GGGGCAGGAATCAAAGGCATATGCAGAATGGCTTCTCCATTTCAAAATGGTAATAAAAA TATTTAAATCATGGCACTAGGGCACCTTTGAGGAAAAGAATCTTAACCAAGTACGCT CATTGCATAAATCTTTACCAATATGCACAATTTGACGTGATTAAGCCTTCTTAAAGGAT AATCTTGTTCACACCACCTATCTATTTCTCTCGCCCCCCCCGGGGCTTGATCTGATC TAACTTACCAGGGACCCTTTTTTCCCATTTGTTACGGACCTCACCTCTCATATTTGGAA CACCTCTATAAAGGAACCCCTCCATAACCCGTCCTTTCTCCCAACGACCCACCCACCCA TTGGTGGCTAACCCGAATCCTCCCTTTCTACCTTTATCCCCGCTTTCCCGCGGTCAG GACCTTCCGAACCAAGTCATTTACCCTTTCTTCTCACGCCTGCCGCGCCGCCCTTCCAT CCACTTTCGCCCTCAGAGCACCCCGCACCCATCCACTGCCTCTGAACCCCCCATCC TTCCCTANCCATCTCGGGCCATTTTATTTCTGGTCCCACGACCGTTTCTTTCAGATCC CCTCCCTATCCACCCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022494
Insert Size:	2310 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.

RefSeq: [NM_022494.1](#), [NP_071939.1](#)

RefSeq Size: 2187 bp

RefSeq ORF: 1242 bp

Locus ID: 64429

UniProt ID: [Q9H6R6](#)

Cytogenetics: 10q25.2

Domains: zf-DHHC

Protein Families: Transmembrane

Gene Summary: Endoplasmic reticulum palmitoyl acyltransferase that mediates palmitoylation of proteins such as AMFR, CALX, ITPR1 and TFRC (PubMed:22314232, PubMed:22728137, PubMed:25368151, PubMed:28826475). Palmitoylates calnexin (CALX), which is required for its association with the ribosome-translocon complex and efficient folding of glycosylated proteins (PubMed:22314232). Mediates palmitoylation of AMFR, promoting AMFR distribution to the peripheral endoplasmic reticulum (PubMed:22728137). Together with SELENOK, palmitoylates ITPR1 in immune cells, leading to regulate ITPR1 stability and function (PubMed:25368151).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 3, 4 and 5 encode the same protein (isoform 1).