

## Product datasheet for **SC107238**

### ZDHHC21 (NM\_178566) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC21 (NM_178566) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC21
Synonyms:	DHHC-21; DHHC21; DNZ1; HSPC097
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178566, the custom clone sequence may differ by one or more nucleotides

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ATGGGTCTCCGGATTCACCTTTGTTGTTGACCCACATGGTTGGTGCTGCATGGGTTTGATTGTCTTTGTTT
GGTTATACAATATTGTTTTAATCCCAAATTGCCTCTTTCCTCACTATGAAGAAGGACATATTCCAGG
CATATTAATAATAATATTCTATGGCATTCCATATTCTGTCTGGTTGCCTTAGTGAGGCGCTCCATAACT
GATCCAGGAAGACTCCCTGAGAACCCCAAGATCCACATGGAGAAAGGGAGTTCTGGGAATTATGTAACA
AGTGTAAATTTGATGAGACCAAAGCGTCCCACACTGTAGCCGCTGCGGCCACTGTGTGAGGAGAATGGA
TCATCACTGTCCATGGATTAACAATTGTGTTGGTGAAGATAATCATTGGCTCTTCTGCAGTTGTGTTTC
TACACTGAACCTTCTACTTGCTACGCACTGATGTTTTCTTCTGCCACTATTACTATTTTCTCCACTAA
AAAAGCGTAATTTGGACCTCTTTGTTTTAGACATGAATTGGCCATAATGAGACTAGCAGCTTTATGGG
CATTACTATGTTAGTTGGAATAACTGGACTCTTTTACACTCAACTAATTGGCATCATCACAGATAACA
TCTATTGAAAAGATGTCAAAGTGTGGAAGATATATCGAGGCCCGAAAGCCATGGCAGCAGACCTTCT
CAGAAGTTTTGGCACTCGTTGGAAGATCCTGTGGTTCATTCTTTCAGGCAGAGGCAACCCTGCGAGT
TCCCTACCCTTTGCCAATCATGTCTAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_178566 unedited  
 TTCGGCACCAGCGGACACCCACTCGGCCGGTCCAGGCCCTCAGGCTCCCGGAAGCGGAAG  
 GGGAGAGCGGCCCGCCCTGGGCGCGCGCCGGAGGAGGCGGAGGTGGCGCGCAGGAGG  
 AGGGGAAAGAGCTGCTGGTGGTGGGAGAGCGCGGCAGCGAGAGGCGAGCCAGCGGCGA  
 CGAATGAAGAACTTTTCACTTACTGCAGGATTTTCAGCTTCAGCAAGCAGGTTCTCATG  
 GAGAACTGTTATTGAAGAGAGATCCATTTGGTGGGATATAATTAATAAATAAATGAATCAA  
 AGAAAATCTCTAAATGCAGATTCAGAAAAATTACAGCACATCTCAGTGAATTTGCAAGT  
 GCCATAAGCCACGCCTGGTAGATATTAATTGAGTGGAGAGATCTTGCACCTCTTCCAGTT  
 ATGCATTTGTGGTTTGTCTGCTGATTTGGAGCACTTGGAAGATCACTGTTTTGTGTTCTA  
 CGACCAATTGAGAGGATTATGTGGAGCTAAGTTTTACCAATCAGGATCATCCTTCCCTTG  
 TGGGTTAGCAGGCAGTTATAAGATTGCAAAATGGGTCTCCGGATTCATTTGTTGTTGAC  
 CCACATGGTTGGTGTGCATGGGTTTGATTGTCTTTGTTTGGTATACAATATTGTTTTAA  
 TTCCAAAATTGCCTCTTCTCACTATGAAGAAGGACATATCCAGGCATATTAATAA  
 TAATATTCTATGGCATTCCATATTCTGTCTGGTTGCCTTAGTGAGGGCCTNCATAACTG  
 AT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_178566 unedited  
 CCAAGTGGCACCATCGGGNNGATGGCAACTTNCAGNCCAGNAAAGCACTGGGGNAGGGT  
 CACAGGNATGCCACCCGGGATCTGTTCCAGGAAACAGCTATGACCGCGGCCCAATCTAGA  
 GTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTCCAAAAGGTCGACAAATGACTTTACTGA  
 TGTAACAAACATGCTTTAACATACATTTTGTCTAAAATCAAATAGAATGTTATAAAGAAA  
 TACTTCAGTCCAACATACATATTACATCAGTAATCTTACTGCTCACAATTATTTTCTAAT  
 GCCCAACACCTTTAGTTGTTTTAGTTATCCAGAATACATAAAAAATTGTTACTAAAAC  
 ATAGATATAACTCTGCGAAATGTAAGAAAAAGAAAGAAAGAAAGAAATATCCAAAGA  
 ATCATTAACTCTTAGTTATTTAAGGCAATAGAGCCAGTAAAAAAATCATTTCAAAAC  
 GAGTAAATAAACTAAATGTAGTTTTTATAGATATTCATTAACAAACAAAAATGCTTGGT  
 TGTCTTTGTAGCTACAATACATTTCTATGTTTTGGAACAAATGGTCTTTCCAATTGGA  
 AGGCCTTCCCGGTCCGAGTCACTTTCTCTCCCTGTACCACTGGTCCCCCATTAGTCCC  
 TTCCTTGGCTCCCGACCTCCCCTCTTGCACCTCCCGTCTCTCTCGATAGCTCGCCCCGT  
 CGCCCCCTCCACCATTCTCCCCTTTGCACCATGGATTCTTACGTTGTTTGGCATGTTG  
 TCAGTTTTTTGAACTTTCTTAGTCTCTACTACTTTCTCCATACGCGCGTACCCCGATAT  
 TAGCGCGCGATCCCGCTCCGCTCCTCCAGCTTAACCCCGTGAATCGTGGTGTGT  
 CACAGGCGTGCAGCGCGTGTTCACGTATCCCATCGACCGGCCCTACCAATAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_178566

**Insert Size:**

4500 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_178566.2</a></u> , <u><a href="#">NP_848661.1</a></u>
<b>RefSeq Size:</b>	3267 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	340481
<b>UniProt ID:</b>	<u><a href="#">Q8IVQ6</a></u>
<b>Cytogenetics:</b>	9p22.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Palmitoylates sex steroid hormone receptors, including ESR1, PGR and AR, thereby regulating their targeting to the plasma membrane. This affects rapid intracellular signaling by sex hormones via ERK and AKT kinases and the generation of cAMP, but does not affect that mediated by their nuclear receptor (By similarity).[UniProtKB/Swiss-Prot Function]