

Product datasheet for **SC102008**

ZDHHC21 (AK096860) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC21 (AK096860) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC21
Synonyms:	9130404H11Rik; DHHHC-21; DHHHC21; DNZ1; HSPC097
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK096860, the custom clone sequence may differ by one or more nucleotides

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TTAGACATGAATTGGCCATAATGAGACTAGCAGCCTTTATGGGCATTACTATGTTAGTTGGAATAACTGG
ACTCTTTTACACTCAACTAATTGGCATCATCACAGATACAACATCTATTGAAAAGATGTCAAAGTGTGT
GAAGATATATCGAGGCCCGAAAGCCATGGCAGCAGACCTTCTCAGAAGTTTTGGCACTCGTTGGAAGA
TCCTGTGGTTTCATTCTTTAGGAGGCAAGCACTGCGAGTCCCTACCCTTTGCCAATCATGTCTA
AACAGATGGATGGTGGGCACAGATGGGTCCTCCATGCTGGCAATGCGTTACAGGTTTTATGATAATAGAA
CTATGACAGTCTCAAGCAATAAAATCCACCCACCAATCTTAGGCATCATAATGTGCCCAAGGCTTTA
TTTTAATAGTGATCTTGATCCTGTGTGGGACTAATACAAGATCTATATTTAAGTTTTAAAGCATGTTTA
CTTTCAAATTAGCTTTCCACAGGGATTTCTTGAATGCTTTTGTATTAACTCAAAGGCAGTGATTAG
GATGAAATAAATTGTACATAATTTATTTAGTACTGACAGTGTTACAGATTCTAATTTATGGTAAATTTCA
GATGTTTTATTTAAATTTTCACTTTTAAACAGTAACCAATCTAAATTTAATTATTCAGGTTTTACAAAA
GTTGATACACCTTCTTATAGTATAGGTAATTTCTTTTTCAAATCCAATTTAAATAACCTTTCCTTTT
AAATGTGCTGCAACGTTTTTAAATGCAGCAGCATAGGAGTGAACAACAGCAACACAAAACGGGCATTG
GTTTCTTAGGAGTGGCTTGCTTACGTTTTCTTTTTCTTCCACAAAACCAACATGAAAGTACCCTG
AAGTAAAAACCAACTACCTACTATAAAGGAAATGTTAAATTTTTTTCACAATAATTTTTTCAA
TTTTCACTATTACTGTTGAATTTATTGATTGTGATTAATAATTTGCTCCAGGAGAAGTCTGACCAGT
GGGCATGTATTCCTATTTATCCTAAGATTTTAAATGAGCAAAAAGGGGAGAGAATTTGCAATAACTTCAC
AATTACCTTTTCTAGTGAGTTATATTAGAATGCATATGTTTTTAAATGCTAGTATAACTAGATAGTAT
ATAATGTACAGTATAAAGAGGAATATTGTGCTTTTGAAGAGTATACTTTTACTTTTATTTATGTA
AGTAGATGTAATAATTTACATTGAAGGTTTATATATTGGCCAACCTCATATAGAAATTTTATTTATAGG
AAGCTACTACTAAAAAAGTCACTAACTTTGTGTACCTATAATCCCTAAATTTAAATTTAATTTAATTG
GCTGGCTGTAATTTGCATTGAGAGACCTTTTACTAGTAGCTAGTGTAGGAAGTGAACCTAAAATAAGAA
AATATAATGATCTGTGTTTATCATTAGCCTGTACAAATGTAATTTACTAATAGTGATGTTCTTTTGCAA
GGCATAGAACATTTGTATGAAAAGACATTTAGTATGCTTTGAAAAAACTCAGCTTTTAGTTTTTTTCCA
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TTAGAATACTGCAAAACCCATATATCTTTTTAAAAATTTATGTACTCACAGTCTTCCCTTGAAGAGAA
 GATTGAAAAAGTCTACTGTTTCATAAACCATGCTAACATTTTCTTTTAGCTAGTTTTGAAAGTAAGGAAC
 AATACCTGGGAAATAATAAACAGAAAGTTACCATTGTCAGCCAGTTGGCTATACTGTGGTTAGTCTTT
 CAGAAATTGTAATATCTTGTAGCATATTCTGAAATAATAGAGTAAGTCTTCTCAGAGATGTTAATATC
 ATGTTTTTCATGTTCTAATTAGAATACTTTATTACTTACAAACTCAGAAATACGAACAGAAATACAGCAG
 ACGAACATATTTATTGGTACTGAAAAGAGATGTAGTAAATTAATAGAAGAAATATTTTATAAAGCTTA
 GTGAAACACAAAATTAGAATGTTTCATGTCAGGCACAAGGGTTTGGATTTTGTGCAAGTAATTTGGCCAC
 ATTTGGCCTGGTGACAGAACTGTTTCATAAGGAAGTAATATATAGATAAGGTAGGTAGATATCAGTTGAAT
 GCCTTATATTGTATACATTCTTTCAAATAAAGACCTTGAGAAAACAGCAGAGCCAAAGTGAAGATCACCT
 AAAGAACTTTGTGGCTAATTTATACTTTCATGTAGTAGCAGTGGTACTGGGCAGGGTCTCTTTCCCACTC
 TGATGATTTGTGCTCTTATTTTCTAGATTTACCTCATCTAGGGCATATCTTTTCCCTCTTCTCTTT
 ACCTTCTCTGGTCTGATCCCTCTGACTCAGTCCCCTAAATTTGGACTACAACTAATACTACTAGA
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 ACAGTATATCTATATACTTAACACTGTAACCTTTCAGTATCCCGAGTAGCGTACCTAACTCTCTGT
 GGGTTTTGTTAATTCTTATTAGACTACTAGAGAAAACCAACTGGCAGTTTGTAAAGCATATCTGCTGGT
 GTTGTCTGCGCCCTCTTTGGCTAATTGATGTAATTATACTGGCTCTAAAGATTTACTGCCCCATAAG
 TAAATAGTATAGCCACATTCTGAACATATCAAAAGTACAACTTAGGAGGAGTGTATGTACAAAATGTA
 AAATTTTATGAAAATGAACATGTTTTATGATGTTATTCTAGTTCATAAGAATGTGATGACTGCTTTGC
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 CTAAGCCATTTTATGATTTTATTTAAACCTTATTTGGCAGAGTAATCCCTAGAAATGGAAAAGCTG
 TACTTTGAAATTACCAATTTATACAAAACATAGAAATGATTGTAGCTACAAAGACAACCAAGCATT
 TCTGTGTTTTAATGAATATCTAAAAACTACATTTAGTTTATTTACTCAGTTTTGAAATGATTTTTTTA
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 TTTTTACATTTTCGACAGGTTATCTATAGTTTTAGTAACAATTTCTTATGTATTCTGGATAACGAAA
 ACAACTAAAGGTGTTGGGCGTTAGAAAATAATTGTGAGCAGTAAGATTACTGATGTAATATGTATGTTGG
 ACTGAAGTATTTCTTTATAAACATTCTATTTGATTTTAAGCAAAATGTATGTTAAAGCATGTTTTACAT
 CAGTAAAGTCATTTGTCGACCTTCTGGAATGAAAGGTTTTACCTAGATACTGTAAGTTACACCTCCT
 AACATCATATTTGTCATTGTTGTTTTCTGCAACAAAATGTTTATGGGCTTCTGTAGGCTTAAGATT
 GTAGGCAAAATGGACTGAGTTCAGGACCCTTCAAGCAGTAGGCATTGATTACAGAGCAGTTGGTACTT
 TGTAACCCAGACTTACAGTTTAAAAATATCAAGTTAGCTGATGTTTCATTATAATAAAAAACTATTTTG
 CTT

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for AK096860 unedited
 TTCAAATTTTGAATACGACTCACTATAGGGCGGCCGAAATTCGCACGAGGCCATAAT
 GAGACTAGCAGCCTTTATGGGCATTACTATGTTAGTTGGAATAACTGGACTCTTTTACAC
 TCAACTAATTGGCATCATCACAGATACAACATCTATTGAAAAGATGTCAAAGTGTGTA
 AGATATATCGAGGCCCGAAAGCCATGGCAGCAGACCTTCTCAGAAGTTTTTGGCACTCG
 TTGGAAGATCCTGTGTTTCAATCCTTTTCAGGCAGAGGCAACCACTGCGAGTTCCTACCA
 CTTTGCCAATCATGTCTAAACAGATGGATGGTGGGCACAGATGGGTCTCCATGCTGGCA
 ATGCGTTACAGGTTTTATGATAATAGAAGTATGACAGTCTTCAAGTCAATTAATAATCCAC
 CCACCAATCTTAGGCATCATAATGTGCCCCAGGCTTTATTTAATAGTGATCTTGATCCT
 GTTGTGGGACTAATAACAAGATCTATATTTAAGTTTTAAGCATGTTTACTTTCAAATTAG
 CTTTCCACAGGGATTTCTTGAATGCTTTTGTATTAACCTCAAAGGCAGTGATTAGGA
 TGAAATAATTGTACATAATTTATTTAGTACTGACAGTGTACAGATTCTAATTTATGGT
 AAATTTTACAGATGTTTATTTAAAAATTTTCACTTTTAAACAGTAACCAAACTAAATTTAAT
 TATTCANGTTTTACAAAAGTTGATACACCTTCTTATAGTATANGTAAATNTCTTTTTCA
 AATNCAATTTANAATAACCTTCTTTTAAATGTGCTGCAACGTTTNTTAAAAATGACGCA
 GCATAGGAGTGAACAAACAGCACACANAACGGGCATTGGNNTTCTTAGAGTGCTNNNGCT
 ACGTTTCTTTTTTCTTCAAAACCCACATGAAGTCCACTGNAGTAAACACCACTACTA
 CCTACTATAAGGAATGTTAAN

3' Read Nucleotide Sequence:	>OriGene 3' read for AK096860 unedited GTCCATCTAGNACCGCGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTTAGGTGAT CTTCACTTGGCTCTGCTGTTTTCTCAAGTCTTTATTTGAAAGGAATGTATACAATATAAG GCATTCAACTGATATCTACCTACCTTATCTATATATTACTTCTTATGAACAGTTCTGTC ACCAGGCCAAATGTGGCCAAATAGCTTGCACAAAATCCAAACCCTTGTGCCTGACATGA ACATTCTAATTTTGTGTTTCACTAAGCTTTATAAATATATTTCTCTATTTAATTTACTA CATCTCTTTTTCAGTACCAATAAATATGTTTCGTCTGCTGTATTTCTGTTTCGTATTTCTGAG TTTGTAAGTAATAAAGTATTCTAATTAGAACATGAAAAACATGATTAACATCTCTGAG AAGAACTACTCTATTATTTTCAGAAATATGCTACAAGATATTTACAATTTCTGAAAGAACT AACACAGTATAGCCAAGTGGCTGACAATGGTAACTTCTGTTTTATTATTTCCAGGTA TTGTTCTTACTTTCAAAGTACTGCTAAAAGGAAAATGTTAGCATGGTTTATGAACAGTAG ACTTTTTCAATCTTCTTCAAGGAAAGACTGTGAGTACATAAATTTTTAAAAAGATA TATGGGTTTTGCAGTATTCTAATGGAAAAACTAANAGCTGAGTTTTTTCAAAGCATA TAAATGTCTTTTCATACCAATGTTCTATGCCTTGCAAAAGACATCACTATTAGTAATTTA CATTTGTACCAGGCTAATGATAACACAGATCATTATTTTCTTATTTTAAAGTTCCTTC CTAACACTAGCTACTAGTAAAAGTCTCNCATGCAATTACAGCCAGCCAATTAATTTT AATTTTATTTAGGGATATTGG
Restriction Sites:	NotI-NotI
ACCN:	AK096860
Insert Size:	2250 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:	<ol style="list-style-type: none"> 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:	AK096860.1
RefSeq Size:	3713 bp
RefSeq ORF:	3713 bp
Locus ID:	340481
Cytogenetics:	9p22.3
Protein Families:	Transmembrane

Gene Summary:

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]