

## Product datasheet for **MC202578**

### Zdhhc21 (NM\_026647) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc21 (NM_026647) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zdhhc21
Synonyms:	9130404H11Rik; AL024349; D130004H04Rik; dep
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC043110 sequence for NM\_026647  
GCGGCGGAGCGGGCGGCGGTACTCACAGAGAAGCTGGTATTGAAGGGAGGCCCATACGATGGAATATGAAA  
TATAAAGAAATAAATAAAGAATGACTCAAGAAGATAGCACTTCTAAATGCAAGTGCCAGAAAAATCACA  
GTTTCATCTCAGTGAATTTGCAAGTGGATTGTCTTGCCTGTGGGCGCAGGCGGGTACAGGACTGCAGAAT  
GGTCTTCGATTCACTTTGTTGTTGACCCGCATGGTTGGTGTGCATGGGCTTGATTGTCTTTGTCTGG  
TTATACAATATTGTTATAATTCCAAAATTGTCCTCTTTCCTCACTATGAAGAAGGACATATTCCTGGCA  
TTTTAATAATAATATTCTATGGCATTTCATATTTGCTGGTTGCCTTAGTGAGGGCCTCCTAACTGA  
TCCTGGAAGACTCCCTGAAAATCCCAAGATCCACATGCAGAGCGGGAGCTGTGGGAGCTCTGCAACAAG  
TGCAACCTGATGAGGCCAAGCGCTCCCACCCTGCAGCCGCTGCGGCCACTGCGTCAGGAGGATGGACC  
ATCACTGTCTTGGATAAACAATTGTGTGGTGAAGACAACCATTGGCTCTTCTGCAGTTGTGTTTCTA  
CACTGAGCTGCTTACTTGTACGCACTGATGTTTTCTTCTGCCATTATTATTATTTCTCCACTAAAA  
AAGCGTAACTGGATCTCTTTGTTGTTGCCATGAGCTGGCTATCATGAGACTAGCTGCCTTCATGGGCA  
TCACTATGTTAGTTGGAATAACTGGACTTCTATACACAAGTATTGGCATCATCACAGATACAACATC  
TATTGAAAAATGTCAAATTTGTTGTGAAGAAATATCGCGGCCCGAAAGCCATGGCAGCAGACCTTCTCA  
GAAGTTTTTGGCACTCGTTGGAAGATCCTGTGGTTCATTCCTTTCAGGCAGCGGCAACCCTGCGAGTTC  
CCTACCACTTTGCCAATCACGCTAAACAGATGGATGGTGGGCACAGATGGGTCCATGCTGGAATG  
GCATCATAATGTGCCCCAGGCTTCATTTAATAGTGATCTTGATCCTGTTGTGGGACTAATAACAAGATCT  
ATATTTAAGTTTTAAAAGCATGTTTACTTTTTAAATAGCCTTCCACCAGGTTTTCTTTAAATGCGTTTTGT  
TACTAAACTCAGAAGGCAGTATTGGGATGAAACAATTGTACATACATTTTCTTCAGTACTCAAAGTTTT  
TTTTAAATTTAATTTATAGGAAATTTGACATGTTTTATGTTTACCTTTAAGCAGTCTAACCAAATCTGA  
ATTTAATCTTCAAGTTTACAAAAGTGGATACACTTTGTTATGTATAAGTTAAAATGTTACTACTTGCTT  
TTATATGTGCTGTAGGCTTTTACAGTGCAGTGAGCAACAAGGGCAGTGCCTGGCTAGGAGCAGCTCTCT  
GATGCCCTTCTTCTCCTTCTCAAACCACAGACGACTCCCCGAGTGTAGTGCACCAACTACTACCTTAC  
TGTGAGGGAAAAACTATGTTCCCTTCTGCTGCAATCACTGATTGCTTTTAGAATATTTGCTCCAGGAG  
AAATGTGTGACCAGTCAAGTTTATATTCCTGTTTTACCCTAAGATTCTAATGACTGAAGAGGGTAGGAAG  
TTTGCAATAATCCAGTACTTCTCAAGTGCAGTTATATTAGAAAGCAGATGTTTTAAAGTCTAAGCT



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GAATGGTGTGTAACAGTGTAAAGGAGGAGAACTGTGCTTTTAAAGTATGGATACTTTTATTTATCTGCCAT  
 TAGATCTCACTGTACACATTGAAGATTTATATATTATAGAATCGATACTGGTCAACTCATATCAAAGTGT  
 AAAAGTGGGTCACATAAATTTATATACCAGTAATCACCCAAGTTGAAATTTCCACTTGTAAATTCGC  
 ATCACTCTAGAGACCTTTTATTAATGTCAGGAAATTAAGTAAAAAGTATGATCTATGGTAGTGATGGT  
 CTCTTAACAAACATGAGCCTTTTGTATACAAAGACATTTTGTATGATTTAATTTTTTTTCACTTAGAATAC  
 TGCAATTCATATGTTTGTGTGCTTAGTAATCTTTCCCTGAAAAGAGTATTGAACAAACTACCATTTG  
 TGAACCTCTACATACTTTTCTTAAGTAGTTGTAAGTAAGGAATCATAGCTGGGAAATACTGTGGCT  
 AGTTCTTTTCAGATACTGTAATGTCTTATAAAATATTCTGAATAGAATAATCTCTTTGCAGAAATTTAA  
 TACCATATTTTTCATGTTCTAATTATGTTTATTTAAAACTTAGAAGTGGCAGATGAAAATATTTATTGGT  
 GCTAAGACATATAGTAAGTTAATAAAGAAACATTTATAAAGGTTAGGAAACATAAAATAGTATGTTT  
 TAGTAAGGGCGAAGGGTGGGTTTTGTGAAGCTGATTGACTAACTGGCCAATGACAGTTACTGAAGG  
 AAGTGGTGTACATAGACTGTTGGGAGGTAGAAGTTGAATGCCTTCAGCTGTATATATTCAGTTCACTCAA  
 GACCTGGAGCATCAAAGCAGAGCCAAACGAAAGCCAGCGTGGAGCTTTGAACTGCTTTATACTTCT  
 GGAGCAGTAGTACTCTGACACAAGGTAAAGGGCGTGATCCCTTCCCATGCTGGAGTTCGTGGGTTTGG  
 TCTGCTTACATGTACCCTTCTGGGCACATTATCTACCCTTCTCTTTACTCTCCCTGGTCTGACCCCT  
 CTCTGCAGTTTCCCTAACTAGTCATTGACTTGTACTTGTACTAGTTTGTATCTACAGAAATGCTGTTATTGATG  
 TATTTACATAAGAATCTATATTGCAATATCTATATATACTTACATAGTATTGTTAAATGTATATGCT  
 AACCCCGGAGGGGTTTGAATCACTCTAAAGATTCTAGAGAAAAACCTGTTGGCCATTTCTAGGGAT  
 TAAGTCTCTATGTTCTTCTGCGCCCTCTTTGGCTAATTGATGTAATTATCCTGGCTCTTGAGGTTTTT  
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 TAGGAACATATGTATAAAAGTGTAAAGTTTTATAAAAAATGAAAATGAATGTGTTATTGTTGGTGTGTT  
 CCTTCTTGGTAACTGCCTGGCTTCATGTATGTATTTCTTGTACACTTTTTACTGTGAGTACAAAAATTT  
 CGATTAGTTAAAGCTGTTTCATGATTTTTACTTTAAACCTTATTTTGGCAACTTATCTTGTAGCATAT  
 AAAAACTTACTTAAAAACTATTTTACTACAAAAACAAACATTTTATTACAGTTGCTGGTAACTGTTAT  
 TCGGTATGTTTTACTATTTTAAAAAGTACATTTAATTTTTTCAATTCAATTTTGGGATTGCCCCCTCCA  
 CACACACACAAAGGTTCAATTACCTTAAAAATAATTAGTAATTGGTTAATAATATTATTTTTCTTGTCTT  
 TAAAAACGCTTGTCAATGAGAGTTAACCTGTAGATTATTCAATAGCCTCTTTATTTGCTCCTCAGTA  
 ACCATGGGAATAACTACCCATGTGGGCTCAGGAAGCGATGGAGCAAGGGCAACCCCTTCATATCTACA  
 GTGCATTGAAGTATTTAAGCTTCTGTTAATTTTAGCAAAATGTGTGTTAAGTGACATTTTTACATT  
 AGCAAAGTCACTCATGGGATCCTGCAGTTAAAGTGTTAAGACGAGGCTGCAGATACTTGGTAAACAATT  
 AGAATTGGGCACGCAAGGTGGCTCCATACAGAAAGGCATTTGCTGTACACGGACCCTTAGGTGAAGAA  
 GGGGAAAAAAGCTCCTGGCTTCATAGAGTTGTCCGCTGACCTCCACAAACATGCCTGTGAGTACAGCCC  
 CTCCCCATCATCATTGTTTCACTCATCGCCTCACACACAGCACACACAAACGTTTCTGATATCCAATTGGA  
 TAAGCTTGATGTAGGTAACAAAGGGCTGGGTTCCAGAAATCTCCTAAGCATTAAACAGTCTACTAAGGAGTC  
 TTTGTTACCAGGCTTCCATTTAGATTACTAAGCTAGCTGATGTTACATGAAAATAAAAACCTATTTTGT  
 TTTATAATTTATATTTAAAAATGTTTTAGTTAACATAAAAGCCATTTAAATTTGTAGCTAACATAAGATCC  
 TGTTTTTTCAGAAGACAATTTACTTTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT  
 TGCACAAGATGCCAGGATTTAATGCCAAGAACCAGGAAAAGACAAGAAGAGGATGTAGACAGTAGCTAC  
 AACTAGATGCAGAAGAGCTGAGTTGAACATCTCAGAACGTTTCATTAATGTGCAGAAGTGGTTCCATGA  
 AGGACGGTGGCTCATTCCAGCTATTCTTAATGAGACTTTGGGTTATTTTCTACAAGCAACTGTTTTGCT  
 CGAGAGATGTATTAGTTCTAAACAGTAATCACAAGACTAAAATTAAGAACACACTTCTAACGGGAGAT  
 ACAAATGAATTTAGATGAAAGCCACATAGTTTTTGTGTTAGTTTATGTTAGTTTGAATGTTCTTACATG  
 TATTGCTAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_026647  
**Insert Size:** 798 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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>	<a href="#">BC043110</a> , <a href="#">AAH43110</a>
<b>RefSeq Size:</b>	4785 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	68268
<b>UniProt ID:</b>	<a href="#">Q9D270</a>
<b>Cytogenetics:</b>	4 C3
<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]