

## Product datasheet for **SC322397**

### DECR2 (NM\_020664) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DECR2 (NM_020664) Human Untagged Clone
Tag:	Tag Free
Symbol:	DECR2
Synonyms:	PDCR; SDR17C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322397  
 CCCGGTCCAGGCGAGTTCGCAGCTGCGCGCCGGTCCTGGAGGCCGAGGCCGCTCCCGC  
 CCGTTGTCGCCGAGTCCCGACGGGAGCGCCATGGCCAGCCGCGCCCGACGTGGAGG  
 GGGACGACTGTCTCCCGCGTACCGCCACCTCTTCTGCCCGACCTGCTGCGGGACAAAG  
 TGGCCTTCATCACAGGAGCGGCTCTGGGATTGGGTTCCGGATTGCTGAGATTTTCATGC  
 GGCACGGCTGCCATACGGTGATTGCCAGTAGGAGCCTGCCGCGAGTGTGACGGCCGCCA  
 GGAAGCTGGCTGGGGCCACCGCCGCGCTGCCCTCCTCTCTATGGACGTCCGAGCGC  
 CCCAGCTGTCATGGCCCGCGTGACCAGGCTCTGAAGGAGTTTGGCAGAATCGACATTC  
 TCATTAAGTGTGCGGCCGGAACCTCCTGTGCCCGCTGGCGCCTTGTCTTCAACGCCT  
 TCAAGACCGTGATGGACATCGATACCAGCGGCACCTTCAATGTGTCTCGTGTGCTCTATG  
 AGAAGTCTTCCGGGACCACGGAGGGTGATCGTGAACATCACTGCCACCCTGGGGAACC  
 GGGGGCAGGCGCTCCAGGTGCATGCAGGCTCCGCCAAGGCCGCTGTGGACGCGATGACGC  
 GGCACCTGGCTGTGGAGTGGGTCCCAAAACATCCGCGTCAACAGCCTCGCCCTGGCC  
 CCATCAGTGGCACAGAGGGGCTCCGGCGACTGGGTGGCCCTCAAGCCAGCCTGAGCACCA  
 AGGTCACTGCCAGCCGCTGCAGAGGCTGGGGAACAAGACCGAGATCGCCACAGCGTGC  
 TCTACCTGGCCAGCCCTCTGGCTTCTACGTGACGGGGCCGTGCTGGTGGCCGATGGCG  
 GGGCATGGTTGACGTTCCAAACGGTGTCAAAGGGCTGCCGGATTTGCGATCCTTCTCTG  
 CTAAGCTCTAGGAATCTTCCGGCCGCTGCTTCTGCCGCCTCACTCAGCCAGGTGGAGAG  
 CACCAATCTGAACCAGCAATGCCTGCAGCCAGCCCTCCTCTGAACACTCAGCTATTAC  
 TGCGCTTTCCCTCCACGGCCCAACTCCAGGGCAGGAGCAACTGGACAGTGGGCTGG  
 CCCGTGGAGTGCCACGCAGGTGCCTGAGGGCCAGGTGCCACGCAGGTGTCTGAGGACCA  
 GGTGCCACGCAGTGGTGGGGTACAGACAAGATGCTGGGATGTCCCCTGCCCATGGTC  
 AAGGGTGTCTGCCTGCCTGGGTCCAGGGCCTGAGGGAGCCACATGGATCCCGAGACTTG  
 TGTCTCTTGGCTGAAAACACTGAGGTGCTCCCATCTGTGCGTGGCCCATGAGCTGGGAT  
 GGTCTCCAGTGCACAAAGTCCGCCCTCTGTCTCTGCACCCTGTTTGCATAAACC  
 ACACTTGTCTACAATCTTGTAGTGCCTTTTCTAAAAGATAATCTATTTACTGTAAAAA  
 TAAATTGGACTTTGCAAAAGCTTTTAGAAGGAAAAGAAAGAGGATTAAGAGAATTGCTG  
 GTGATCTAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_020664

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>	<u><a href="#">NM_020664.3</a></u> , <u><a href="#">NP_065715.1</a></u>
<b>RefSeq Size:</b>	1599 bp
<b>RefSeq ORF:</b>	879 bp
<b>Locus ID:</b>	26063
<b>UniProt ID:</b>	<u><a href="#">Q9NUI1</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	adh_short
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Auxiliary enzyme of beta-oxidation. Participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. Has activity towards short and medium chain 2,4-dienoyl-CoAs, but also towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA, suggesting that it does not constitute a rate limiting step in the peroxisomal degradation of docosahexaenoic acid.[UniProtKB/Swiss-Prot Function]