

## Product datasheet for **SC211397**

### DHCR7 (NM\_001163817) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** DHCR7 (NM\_001163817) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** DHCR7  
**Synonyms:** SLOS  
**ACCN:** NM\_001163817  
**Insert Size:** 994 bp  
**Insert Sequence:** >SC211397 3'UTR clone of NM\_001163817  
 The sequence shown below is from the reference sequence of NM\_001163817. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGGATCGCC
CCTTACCGCCTGCTGCCTGGAATCTTTAAGGGCACGCCCTAGGGAGAAGCCCTGTGGGGCTGTCAAGA
GCGTGTTCTGCCAGGTCCATGGGGCTGGCATCCAGCTCCAACCTCGAGGAGCCTCAGTTTCCTCATCT
GTAAACTGGAGAGAGCCAGCACTTGGCAGGTGCCAGTACCTAATCACGCTCTGTTCCCTTGCTTTTGC
CTTCAAGGGAATCCGAGTGTCCAGCACTGCCGTATTGCCAGCACAGACGATTTTCTCTAATCAGTGT
CCCTGGGGCAGGAGGATGACCCAGTCACCTTTACTAGTCCTTTGGAGACAATTTACCTGTATTAGGAGC
CCAGGCCACGCTACACTCTGCCACACTGGTGAGCAGGAGGTCTCCACGCCCTGCTATTAGGCTGCA
TTTACTCTTGCTAAATAAAAGTGGGAGTGGGGCGTGCGCGTTATCCATGTATTGCCTTTACAGCTCTAGA
TCCCCCTCCCCTGCCTGCTCTGCAGTCGTGGTGGGGCCCGTGCGCCGTTTCTCCTTGGTAGCGTGAC
GGTGTTGAACTGGGACACTGGGGAGAAAGGGCTTTCATGTCGTTTCTCCTGCTCCTGCTGCACAGC
TGCCAGGAGTGTCTGCCTGGAGTCTGCAGACCTCAGAGAGGTCCAGCACCCGGCTGTGGCCTTTCAGG
TGTAGGCAGGTGGGCTCTGCTTCCCATTCCCTGTGAGGCCCCACCTCTCGAAAGAATTTCTGCTTG
CCCTATGACTGTGCAGACTCTGGCTCGAGCAACCCGGGAACTTACCCTCAGGGGCTCCACACCTT
CTCCAGCGAGGAGGTCTCAGTCCCAGCCTCGGGAGGGCACCTCCTTTTCTGTGCTTTCTCCCTGAGGC
ATTCTTCTCATCCCTAGGGTGTGTGTAGAACTCTTTTAAACTCTATGCTCCGAGTAGAGTTCATCT
TTATATTAAACTCCCCTGTTCAAATAA
ACGGGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_001163817.2</a></u>
<b>Summary:</b>	This gene encodes an enzyme that removes the C(7-8) double bond in the B ring of sterols and catalyzes the conversion of 7-dehydrocholesterol to cholesterol. This gene is ubiquitously expressed and its transmembrane protein localizes to the endoplasmic reticulum membrane and nuclear outer membrane. Mutations in this gene cause Smith-Lemli-Opitz syndrome (SLOS); a syndrome that is metabolically characterized by reduced serum cholesterol levels and elevated serum 7-dehydrocholesterol levels and phenotypically characterized by cognitive disability, facial dysmorphism, syndactyly of second and third toes, and holoprosencephaly in severe cases to minimal physical abnormalities and near-normal intelligence in mild cases. Alternative splicing results in multiple transcript variants that encode the same protein.[provided by RefSeq, Aug 2009]
<b>Locus ID:</b>	1717
<b>MW:</b>	36.1