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Product datasheet for SC211396

DHCR7 (NM_001360) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DHCR7 (NM_001360) Human 3' UTR Clone
Symbol:	DHCR7
Synonyms:	SLOS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001360
Insert Size:	994 bp
Insert Sequence:	>SC211396 3'UTR clone of NM_001360 The sequence shown below is from the reference sequence of NM_001360. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTTACCGCCTGCTGCCTGGAATCTTCTAAGGGCACGCCCTAGGGAGAAGCCCTGTGGGGCTGTCAAGA GCGTGTTCTGCCAGGTCCATGGGGGCTGGCATCCCAGCTCCAACTCGAGGAGCCTCAGTTTCCTCATCT GTAAACTGGAGAGAGCCCAGCACTTGGCAGGTGTCCAGTACCTAATCACGCTCTGTTCCTTGCTTTTGC CTTCAAGGGAATTCCGAGTGTCCAGCACTGCCGTATTGCCAGCACAGACGGATTTTCTCTAATCAGTGT CCCTGGGGCAGGAGGATGACCCAGTCACCTTTACTAGTCCTTTGGAGACAATTTACCTGTATTAGGAGC CCAGGCCACGCTACACTCTGCCCACACTGGTGAGCAGGAGGTCTTCCCACGCCCTGTCATTAGGCTGCA TTTACTCTTGCTAAATAAAAGTGGGAGTGGGGCGTGCGCGTTATCCATGTATTGCCTTTCAGCTCTAGA TCCCCCTCCCCTGCCTGCTCTGCAGTCGTGGGTGGGGCCCGTGCGCCGTTTCTCCTTGGTAGCGTGCAC GGTGTTGAACTGGGACACTGGGGAGAAAGGGGCTTTCATGTCGTTTCCTTCCTGCTCCTGCTGCACAGC TGCCAGGAGTGCTCTGCCTGGAGTCTGCAGACCTCAGAGAGGTCCCAGCACCGGCTGTGGCCTTTCAGG TGTAGGCAGGTGGGCTCTGCTTCCCGATTCCCTGTGAGCGCCCACCCTCTCGAAAGAATTTTCTGCTTG CCCTATGACTGTGCAGACTCTGGCTCGAGCAACCCGGGGAACTTCACCCTCAGGGGCCTCCCACACCTT CTCCAGCGAGGAGGTCTCAGTCCCAGCCTCGGGAGGGCACCTCCTTTTCTGTGCTTTCTTCCCTGAGGC ATTCTTCCTCATCCCTAGGGTGTTGTGTAGAACTCTTTTTAAACTCTATGCTCCGAGTAGAGTTCATCT TTATATTAAACTTCCCCTGTTCAAATAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI

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OTI Disclaimer: 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).

Components: 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.

RefSeq: NM_001360.3

Summary: 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]

Locus ID: 1717

MW: 36.1