

Product datasheet for **SC200642**

DNA Ligase III (LIG3) (NM_002311) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DNA Ligase III (LIG3) (NM_002311) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LIG3
Synonyms:	LIG2; LIG3alpha
ACCN:	NM_002311
Insert Size:	135 bp
Insert Sequence:	>SC200642 3'UTR clone of NM_002311 The sequence shown below is from the reference sequence of NM_002311. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGAAGAAGTGTGCCAGCAGGAGAGATAGAACAGCCCGCCTAGCCAGGAGAGACTGCAGGGACTCAC TCAGCTGTGGCCCAAGTCAAAATTTACATTAAGGGAAAAGACCAAGTCTGGGTGTGGGAATGCA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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:	<u>NM_002311.5</u>



[View online »](#)

Summary:

This gene is a member of the DNA ligase family. Each member of this family encodes a protein that catalyzes the joining of DNA ends but they each have a distinct role in DNA metabolism. The protein encoded by this gene is involved in excision repair and is located in both the mitochondria and nucleus, with translation initiation from the upstream start codon allowing for transport to the mitochondria and translation initiation from a downstream start codon allowing for transport to the nucleus. Additionally, alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Locus ID:

3980

MW:

4.5