

## Product datasheet for **SC202304**

### DNA Ligase I (LIG1) (NM\_000234) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	DNA Ligase I (LIG1) (NM_000234) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LIG1
ACCN:	NM_000234
Insert Size:	234 bp
Insert Sequence:	>SC202304 3'UTR clone of NM_000234 The sequence shown below is from the reference sequence of NM_000234. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCAGGCTCTGACCCTGAAGATACCTACTAAGCCCTCGCCCTCCTAGGGCCTGGGTACAGGGCATGAGTT GGACGGACCCAGGGTTATTATTGCCTTTGCTTTTAGCAAATCTGCTGTGGCAGGCTGTGGATTTGA GAGTCAGGGGAGGGTGTGTGTGTGAGGGGTGGCTTACTCCGGAGTCTGGGATTCATCCCGTCATTTCC TTTCAATAAATAATTATTGGATAGCTA ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<a href="#">NM_000234.3</a>



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**Summary:** This gene encodes a member of the ATP-dependent DNA ligase protein family. The encoded protein functions in DNA replication, recombination, and the base excision repair process. Mutations in this gene that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents. Disruption of this gene may also be associated with a variety of cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

**Locus ID:** 3978

**MW:** 8.2