

Product datasheet for **SC207544**

DNA Ligase III (LIG3) (NM_013975) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DNA Ligase III (LIG3) (NM_013975) Human 3' UTR Clone
Symbol:	DNA Ligase III
Synonyms:	LIG2; LIG3alpha
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_013975
Insert Size:	2000 bp



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Insert Sequence: >SC207544 3'UTR clone of NM_013975
 The sequence shown below is from the reference sequence of NM_013975. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGAAACGGAGACTGGTAGCTCCCTGCTAGGTTTGTCTTCCCTCCTCCCTCAGGCCATACTCTCCTT
TACCATACTACTGGACTGGACTCAGGCTGGAGGCAGATAGACACAGTATAGGGGGAATGGCTTGCCTT
TCCCAAACCCACCAGTTCTCCACTGTCTTCTGGACCAGGAATTAGTTGCTGTGGGTGCCACAGCTGA
AGTCAGTTTGTCTTGGTGTAAATAGATCTTTCAGAGCTGGGTGCTGGGTTGCCATCTTTTTGTTT
TCTTTGAAAAGCAGCTTAGTTACCCTTTTTATAAATAAAATATCTTGCAGTTATCTTTGCCTTTCCCC
ACCTACACCCCAATAATTTCCCTAGAGATTAAGGAGTAAAGGCTGGGCTATGGCAGCTCTGTCCACAA
AGCCTTCTCTCCATCCTTGCCTGTTCTTTGACTTCCAGGCTCATTTTAAAGTTGATTTAAAGGAC
TGCCCTCGGAAATGCTTCTGTTTAGCGAACTTGATTACGCTGACACGCTTGGCCAGGAACAAACCT
CATGTGAAAGAAAACAAAATGAATTTTTTACTTTCTTCTCTGTGTTCTCTATTACATGGTGAGGATC
CCCAGTTTGAAGGGAGGGGACTAGGGTCAGGTAGGAAAATGGGGCCTTTATGAAGAAAGGGGAGTTAT
TTGGGCCACTCCTCTGGAGGGATAGAGGGCTCCAGGAAGATCTGCATCCCCAAAACCTGGAAACAAGAC
TGTTCTTTAAGAATAAAAATCCACATGGGGCTTAGGGCCAAGAACAGCCCTTGTGGCCACCAACATGGA
GACTTTGTACCATATCCCATTCTTAGTGTCTGAGTGTCCAACCTGAAGTTGAAGAAGCCACCCTGGCT
GCACATGCCATCAGCCATGACTGTGTATGCTCTGGTGGTGGTGTCTTACTTCTCATGACTGGAGGAAT
AATTATATGATATTGTTGAACCCCAAGTATTGGCTGATGAACGTGGGCATCAGAGGCCAGTAGCTTTC
TTGGCCTACAAAAGTAAATGGACAGTATATTATGGAAGGATTTGCATCCAGCTTCTGTTTACAATGGGA
GGTTTAGGTTTTCAATAATGCTGGACCAGTGAATGCACCAATATCCCAAACCTCAATCGATTTTTTTTC
TTCTATTCAATTGGATTCTGTCTGCTACTGAGTTTTTTCATGGCTGGAGTATTCATGTGAATGAAAC
TGCCGGGCTATCTGATGGGTTAGAGCGCTTTAAGAAGAAATCAGTGGATACTGGATTTGCTCCTGTCA
ATGAAGTTCTAAAGGCTGTACCAATCCTCCAATATGAAATGTGGGAAAGAATGAAGAGCAGCAGTAAAA
GAAATACCTAGCGAAAAAACAGGAAGCATATTGAAGCTCGGACTAGAATTTCTTCTTGGTATCAGAGA
GACAAGTTTATCACAGTATTTTTTTTTTCTGCTGACCTATTGATAATACCAACAATGTTGAGTGGCA
TTTTCTTCTTAGTTTTTAATTTCTAAAGAAAATATACTCCATATCTGCAGGGAAAAAAAATAAAATCC
ACACCTGAGAACAGATCCATAACCTGCTTACAAGAACAGCTCCTGTGCTACCTGAGGCTGATTTAT
TTGAAGAACAAAAGGAAGAGAGACAATTTAGTGTAGACAAGTGTATTCAATAGAACTTTTTGCAGCAG
TGAAATATCCATAAATCTGCAGTATCCAACCAACTAGCCACAGACAGCTGCTGAGCAATTGAAATGA
AGCTGGCACAACCTAAGGAAGTGAAGTTCTTATTTAATCAACTTCAAATGGTCACATGTCACTAGTGA
CTACCACACTGGACAGTGCAGGTGTAGACGGAGTTCAGATCAGACTCCTGAAACTTAATGGCTCTAACC
TTAGGCAAGTTACGTTAACATCTAAGCCTCAATCCCTCCAAGTAGAATGGGTGCACCTAAATCATAGG
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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: [NM_013975.4](#)

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:

76.3