

Product datasheet for **KN209530LP**

DNA Ligase III (LIG3) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	DNA Ligase III
Locus ID:	3980
Components:	<p>KN209530G1, DNA Ligase III gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN209530G2, DNA Ligase III gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN209530LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u>NM_002311</u> , <u>NM_013975</u>
UniProt ID:	<u>P49916</u>
Synonyms:	LIG2
Summary:	<p>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]</p>



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Product images:

