

Recombinant Human LIG1 cell lysate

Cat. No. LIG1-985HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	LIG1 encodes DNA ligase I, with functions in DNA replication and the base excision repair process. Mutations in LIG1 that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	LIG1 ligase I, DNA, ATP-dependent [Homo sapiens]
Official Symbol	LIG1
Synonyms	LIG1; ligase I, DNA, ATP-dependent; DNA ligase 1; polydeoxyribonucleotide synthase [ATP] 1; MGC117397; MGC130025;
Gene ID	3978

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_000234
Protein Refseq	NP_000225
MIM	126391
UniProt ID	P18858
Chromosome Location	19q13.2-q13.3
Pathway	Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Repair, organism-specific biosystem;
Function	ATP binding; DNA binding; DNA ligase (ATP) activity; DNA ligase activity; ligase activity; metal ion binding; nucleotide binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA