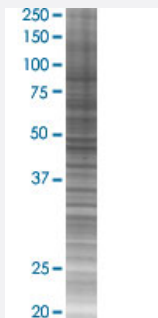


LIG1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003978-T02

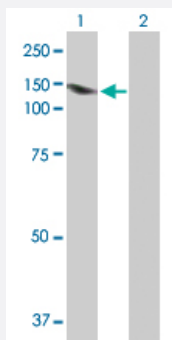
Size 100 uL

Applications



SDS-PAGE Gel

LIG1 transfected lysate.



Western Blot

Lane 1: LIG1 transfected lysate (101.70 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-LIG1 full-length
Host	Human
Theoretical MW (kDa)	101.7
Interspecies Antigen Sequence	Mouse (84%)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-LIG1 antibody ([H00003978-B01](#)) by Western Blots.
SDS-PAGE Gel
LIG1 transfected lysate.
Western Blot
Lane 1: LIG1 transfected lysate (101.70 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — LIG1

Entrez GeneID[3978](#)**GeneBank Accession#**[NM_000234](#)**Protein Accession#**[NP_000225.1](#)**Gene Name**

LIG1

Gene Alias

MGC117397, MGC130025

Gene Description

ligase I, DNA, ATP-dependent

Omim ID[126391](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

DNA ligase I

Pathway

- [Base excision repair](#)

- [DNA replication](#)
- [Mismatch repair](#)
- [Nucleotide excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung carcinoma](#)

- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Neuroma](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)