



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## LIG1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00003978-T02

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

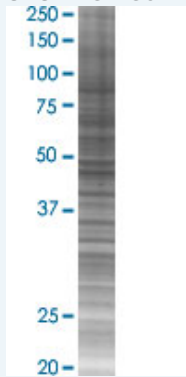
**Plasmid:** pCMV-LIG1 full-length

**Host:** Human

**Theoretical MW (kDa):** 101.7

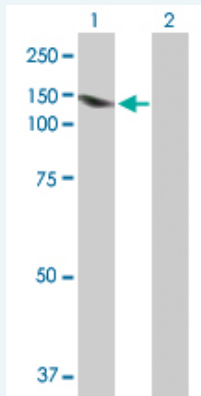
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-LIG1 antibody (H00003978-B01) by Western Blots.

#### 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.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

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](#)

### Gene Pathway

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

### Related Disease

[Adenocarcinoma](#) [Ataxia telangiectasia](#) [Brain Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#) [Carcinoma, Small Cell](#) [Carcinoma, Squamous Cell](#) [Cardiovascular Diseases](#) [Colorectal Neoplasms](#) [Diabetes Mellitus, Type 2](#) [DNA Damage](#) [Edema](#) [Esophageal Neoplasms](#) [Genetic Predisposition to Disease](#) [Glioma](#) [Graft vs Host Disease](#) [Head and Neck Neoplasms](#) [Hematologic Diseases](#) [Hodgkin Disease](#)

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