



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### LIG3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003980-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human LIG3 full-length ORF (AAH09026.1, 1 a.a. - 299 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSLAFKIFFPQTLRALSRKELCLFRKHHWRDVRQFSQ  
WSETDLLHGHPLFLRRKPVLSFQGSHLRSRATYLVFL  
PGLHVGLCSGPCEMAEQRFVVDYAKRGTAGCKKCKE  
KIVKGVCRIGKVVNPNPFSESGDMKEWYHIKCMFEKL  
ERARATTKIEDLTELEGWEELEDNEKEQITQHIADLSS  
KAAGTPKKKAVVQAKLTTTGQVTSPVKGASFVTSTNP  
RKFSGFSAKPNNSGEAPSSPTPKRSLSSSKCDPRHKD  
CLLREFRKLCAVADNPSYNTKTQIIQDFLRKGSAGGV  
A

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 60

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3980

**Gene Symbol:** LIG3

**Gene Alias:** LIG2

**Gene 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]