



# 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

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## SOD1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00006647-T02

規格 : [ 100 uL ]

List All

### Specification

**Transfected Cell Line:** 293T

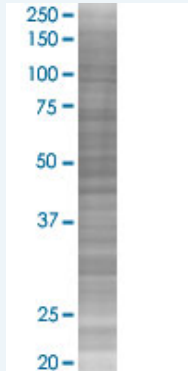
**Plasmid:** pCMV-SOD1 full-length

**Host:** Human

**Theoretical MW (kDa):** 15.9

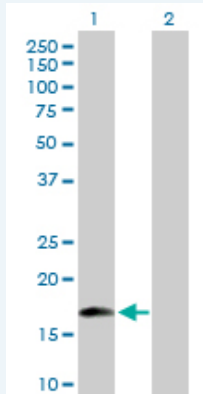
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-SOD1 antibody (H00006647-B01P) by Western Blots.

#### SDS-PAGE Gel



SOD1 transfected lysate.

#### Western Blot



Lane 1: SOD1 transfected lysate ( 15.90 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: [6647](#)

GeneBank [NM\\_000454.4](#)  
Accession#:

Protein [NP\\_000445.1](#)  
Accession#:

Gene Name: SOD1

Gene Alias: ALS,ALS1,IPOA,SOD,homodimer

Gene Description: superoxide dismutase 1, soluble

Omim ID: [105400](#), [147450](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis. Rare transcript variants have been reported for this gene. [provided by RefSeq]

Other Designations: Cu /Zn superoxide dismutase,Cu/Zn superoxide dismutase,SOD, soluble,indophenoxidase A,superoxide dismutase, cystolic

### Gene Pathway

[Amyotrophic lateral sclerosis \(ALS\)](#) [Huntington's disease](#) [Prion diseases](#)

### Related Disease

[Acute Disease](#) [Albuminuria](#) [Alzheimer Disease](#) [Alzheimer disease](#)  
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