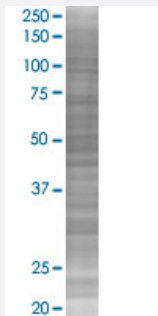


SOD1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00006647-T02

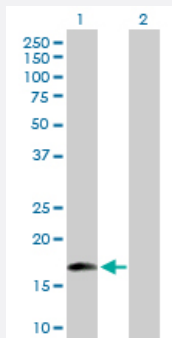
Size 100 uL

Applications



SDS-PAGE Gel

SOD1 transfected lysate.



Western Blot

Lane 1: SOD1 transfected lysate (15.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SOD1 full-length
Host	Human
Theoretical MW (kDa)	15.9
Interspecies Antigen Sequence	Mouse (84); Rat (83)

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.

Applications

- Western Blot

Gene Info — SOD1

Entrez GeneID

[6647](#)

GeneBank Accession#

[NM_000454.4](#)

Protein Accession#

[NP_000445.1](#)

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|indophenoloxidase A|superoxide dismutase, cytosolic

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Prion diseases](#)

Disease

- [Acute Disease](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Auditory Threshold](#)
- [Barrett Esophagus](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)

- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Encephalitis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hearing Loss](#)
- [Hemorrhage](#)
- [Hepatitis](#)
- [Hypercholesterolemia](#)
- [Keratoconus](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Motor Neuron Disease](#)
- [Multiple Sclerosis](#)
- [Nerve Degeneration](#)
- [Neuroblastoma](#)
- [Neuropsychological Tests](#)

- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Pre-Eclampsia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Reaction Time](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sensory Thresholds](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Diseases](#)
- [Weight Gain](#)
- [Werner syndrome](#)