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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

SOD1 (Human) Recombinant Protein (P01)

Catalog Number: H00006647-P01

Regulation Status: For research use only (RUO)

Product Description: Human SOD1 full-length ORF (AAH01034, 1 a.a. - 154 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MATKAVCVLKGDPVQGIINFEQKESNGPVKVWGSIK
GLTEGLHGFHVHEFGDNTAGCTSAGPHFNPLSRKHG
GPKDEERHVGDLGNVTADKDGADVSIEDSVISLSGD
HCITGRTLTVHEKADDLGKGGNEESTKTGNAGSRLAC
GVIGIAQ

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 42.68

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: 6647

Gene Symbol: SOD1

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

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]