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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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Datasheet

SOD2 (Human) Recombinant Protein (Q01)

Catalog Number: H00006648-Q01

Regulation Status: For research use only (RUO)

Product Description: Human SOD2 partial ORF (NP_000627, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLSRAVCGTSTRQLPPVLGYLGSRQKHSLPDLPYDYGA
LEPHINAQIMQLHHSKHHAAYVNNLNVTTEEKYQEALAK
GDVTAQIALQPALKFNGGGHINHSIFWTNLSPNGG

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 37.84

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: 6648

Gene Symbol: SOD2

Gene Alias: IPO-B, MNSOD, Mn-SOD

Gene Summary: This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts

of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]