



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### SOD2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00006648-P01

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

**Product Description:** Human SOD2 full-length ORF (AAH12423.1, 1 a.a. - 222 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLSRAVCGTSTRQLAPVLGYLGSRQKHSLPDLPHYDGA  
LEPHINAQIMQLHHSKHHAAYVNNLNVTTEEKYQEALAK  
GDVTAQIALQPALKFNGGGHINHSIFWTNLSPNGGGE  
PKGELLEAIKRDFGSFDKFKELTAASVGVQGSWG  
WLGFNKERGHLQIAACPNDPLQGTGLIPLLIDVWE  
HAYYLQYKNVRPDYDKAIWNVINWENVTERYMACK

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

**Theoretical MW (kDa):** 49.94

**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]

**References:**

1. Identification of tumor antigens in human lung squamous carcinoma by serological proteome analysis. Yang F, Xiao ZQ, Zhang XZ, Li C, Zhang PF, Li MY, Chen Y, Zhu GQ, Sun Y, Liu YF, Chen ZC. J Proteome Res. 2007 Feb;6(2):751-8.