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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

SOD3 (Human) Recombinant Protein (Q01)

Catalog Number: H00006649-Q01

Regulation Status: For research use only (RUO)

Product Description: Human SOD3 partial ORF (AAH14418, 26 a.a. - 125 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
EPNSDSAEWIRDMYAKVTEIWQEVMQRRDDDGTLHA ACQVQPSATLDAAQPRVTGVVLFRQLAPRAKLDAFFA LEGFPTEPNSSSRAIHVHQFGDLSQGC

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 36.41

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: 6649

Gene Symbol: SOD3

Gene Alias: EC-SOD, MGC20077

Gene Summary: This gene encodes a member of the superoxide dismutase (SOD) protein family. SODs are antioxidant enzymes that catalyze the dismutation of two superoxide radicals into hydrogen peroxide and oxygen. The product of this gene is thought to protect the brain, lungs, and other tissues from oxidative stress. The protein is secreted into the extracellular space and forms a glycosylated homotetramer that is anchored to the extracellular matrix (ECM) and cell surfaces through an interaction with heparan sulfate proteoglycan and collagen. A fraction of the protein is cleaved near the C-terminus before secretion to generate circulating tetramers that do not interact with the ECM. [provided by RefSeq]

References:

1. Extracellular Superoxide Dismutase Deficiency Impairs Wound Healing in Advanced Age by Reducing Neovascularization and Fibroblast Function. Fujiwara T, Duscher D, Rustad KC, Kosaraju R, Rodrigues M, Whittam AJ, Januszyk M, Maan ZN, Gurtner GC. Exp Dermatol. 2015 Dec 14. [Epub ahead of print]