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Datasheet for ABIN7317345 **SOD2 Protein**

Overview

Quantity:	100 µg
Target:	SOD2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human SOD2/Mn-SOD Protein
Sequence:	Lys 25-Lys 222
Characteristics:	A DNA sequence encoding the mature form of human SOD2 (P04179-1) (Lys 25-Lys 222) was expressed and purified, with an initial Met.
Purity:	> 97 % as determined by reducing SDS-PAGE.

Target Details

Target:	SOD2
Alternative Name:	SOD2/Mn-SOD (SOD2 Products)
Background:	Background: Superoxide dismutases (SOD) are important anti-oxidant enzymes that guard against superoxide toxicity. In humans, as in all mammals and most chordates, three forms of superoxide dismutase (SOD) are present: SOD1 is located in the cytoplasm, SOD2 in the mitochondria, and SOD3 is extracellular. Mitochondrial superoxide dismutase [SOD, manganese SOD (MnSOD) or SOD2] neutralizes highly reactive superoxide radical (O ₂ ⁻)

Target Details

	Synonym: Superoxide Dismutase [Mn] Mitochondrial, SOD2
Molecular Weight:	22.3 kDa
Pathways:	Sensory Perception of Sound , Transition Metal Ion Homeostasis , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.