

SOD1 Protein, Human (His)

Cat. No.:	HY-P71048
Synonyms:	Superoxide Dismutase [Cu-Zn]; Superoxide Dismutase 1; hSod1; SOD1
Species:	Human
Source:	E. coli
Accession:	P00441 (M1-Q154)
Gene ID:	6647
Molecular Weight:	Approximately 20.0 kDa

PROPERTIES

AA Sequence	<p> M A T K A V C V L K G D G P V Q G I I N F E Q K E S N G P V K V W G S I K G L T E G L H G F H V H E F G D N T A G C T S A G P H F N P L S R K H G G P K D E E R H V G D L G N V T A D K D G V A D V S I E D S V I S L S G D H C I I G R T L V V H E K A D D L G K G G N E E S T K T G N A G S R L A C G V I G I A Q </p>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The subject, SOD1 Protein, functions as an enzyme crucial for cellular defense, as it plays a vital role in neutralizing radicals that are typically generated within cells and can be toxic to biological systems. Operating as a superoxide dismutase, SOD1 effectively destroys these radicals, thereby safeguarding cells from oxidative stress and potential damage caused by the accumulation of reactive oxygen species. The enzymatic activity of SOD1 underscores its importance in maintaining cellular homeostasis and protecting biological systems from the harmful effects of oxidative stress.</p>
-------------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA