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Product datasheet for AR09977PU-L

Superoxide Dismutase 2 / SOD2 (1-206, His-tag) Escherichia coli Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Superoxide Dismutase 2 / SOD2 (1-206, His-tag) e. coli recombinant protein, 0.5 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSYTLPSLPY AYDALEPHFD KQTMEIHHTK HHQTYVNNAN AALESLPEFA NLPVEELITK LDQLPADKKT VLRNNAGGHA NHSLFWKGLK KGTTLQGDLK AAIERDFGSV DNFKAEFEKA AASRFGSGWA WLVLKGDKLA VVSTANQDSP LMGEAISGAS GFPIMGLDVW EHAYYLKFQN RRPDYIKEFW NVVNWDEAAA RFAAKK
Tag:	His-tag
Predicted MW:	25.2 kDa
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant E.coli Superoxide dismutase protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	Superoxide dismutase, Mn, also known as sodA (E.coli), is a member of the iron/manganese superoxide dismutase family. SodA destroys radicals which are normally produced within the cells and which are toxic to biological systems. It works by catalyzing the dismutation of the superoxide radical O2- to O2 and H2O2, which are then metabolized to H2O and O2 by catalase and glutathione peroxidase.

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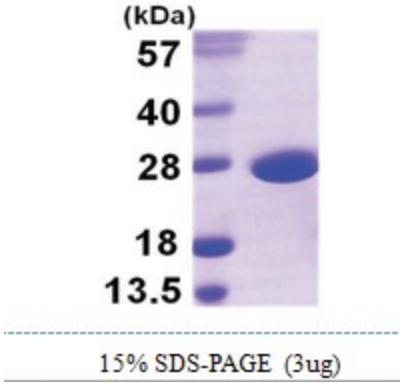
Product images:



15% SDS-PAGE (3ug)