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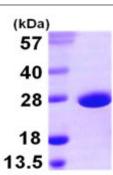
AR09977PU-L E. coli Superoxide Dismutase 2 / SOD2 (1-206, His-tag) - Purified

Alternate names:	Manganese Superoxide Dismutase, Mn Superoxide Dismutase, Mn-SOD, MnSOD, SOD-2, sodA
Quantity:	0.5 mg
Background:	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.
Uniprot ID:	<u>P00448</u>
NCBI:	<u>AP_003900</u>
GenelD:	<u>948403</u>
Species:	E. coli
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
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. AA Sequence: <u>MGSSHHHHHH SSGLVPRGSH</u> MSYTLPSLPY AYDALEPHFD KQTMEIHHTK HHQTYVNNAN AALESLPEFA NLPVEELITK LDQLPADKKT VLRNNAGGHA NHSLFWKGLK KGTTLQGDLK AAIERDFGSV DNFKAEFEKA AASRFGSGWA WLVLKGDKLA VVSTANQDSP LMGEAISGAS GFPIMGLDVW EHAYYLKFQN RRPDYIKEFW NVVNWDEAAA RFAAKK Molecular weight: 25.2 kDa (226aa) confirmed by MALDI-TOF
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. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

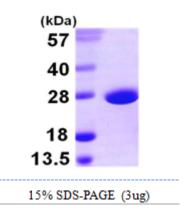
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15% SDS-PAGE (3ug)

Recombinant E.coli Superoxide dismutase (sodA), 1-206 aa, His-tagged



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