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sodA, 1-206aa, E.coli, His tag, E.coli

产品货号: TP03245

第三版

别名:Superoxide dismutase, manganese, MnSOD

描述:Superoxide dismutase, Mn, also known as sodA, 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 O_2^- to O_2 and H_2O_2 , which are then metabolized to H_2O and O_2 by catalase and glutathione peroxidase. Recombinant E.coli sodA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

分子量:25.2 kDa (226aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMSYTLPSLPYAYDALEPHFDKQTMEIHHTKHHQTYVNNANALESLEPEFANLPVEELIT
KLDQLPADKKTVLRNAGGHANHSFLWKGLKKGTTLQGDLLKAAIERDFGSVDNFKAEFEKAAASRFGSGWAWLVKLG
DKLAVVSTANQDSPLMGEAISGASGFPIMGLDVWEHAYYLKFNRRPDYIKEFWNVVNWDEAAARFAAKK

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.