

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

SOD1, 1-154aa, Human, Recombinant, E.coli

产品货号: TP04001

第三版

**别名:**ALS, SOD, ALS1, IPOA, Cu-Zn superoxide dismutase, Superoxide dismutase 1 soluble, SOD1, Superoxide dismutase 1, soluble ALS 1, Amyotrophic lateral sclerosis 1 Amyotrophic lateral sclerosis 1 adult, Cu/Zn SOD, Cu/Zn superoxide dismutase

**描述:**Superoxide dismutase 1 (SOD1) binds copper and zinc ions and is one of three isozymes responsible for destroying free superoxide radicals in the body. The encoded protein neutralizes supercharged oxygen molecules, which can damage cells if their levels are not controlled. Mutations in SOD1 cause a form of familial amyotrophic lateral sclerosis (ALS). Recombinant SOD1 was expressed in E.coli and purified by conventional chromatography techniques.

**配方:**Liquid in 20 mM Tris pH 7.5, 10% Glycerol.

**分子量:**15.9 kDa (154 aa), confirmed by MALDI-TOF.

**序列:**

MATKAVCVLKGDPVQGIINFEQKESNGPVKVVWGSIKGLTEGLHGFHVHEFGDNTAGCTSAGPHFNPLSRKHGGPKDE  
ERHVGDLGNVTADKDGADVSIEDSVISLSDHCCIIGRTLTVHEKADDLGKGGNEESTKTGNAGSRLACGVIGIAQ

**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.