

产品说明书

Product Specification

产品名称 Product Name	Sarcosine oxidase(SOX)
货号 Catalog Number	CSB-DE003
产品形态 Formation	White powder, lyophilized
来源 Source	Recombinant
EC 编号 EC Number	EC 1.5.3.1
CAS 编号 CAS Number	9029-22-5
存储条件 Storage	Store at ≤ -20 °C
有效期 Valid Period	-20 °C for 18 months
分子量 Molecular weight	44 kDa (SDS-PAGE)
最适 pH Optimum pH	7.0—8.5
最适温度 Optimum temperature	50°C
pH 稳定性 pH Stability	7.0~10.5 (25°C, 24hr)
热稳定性 Thermal stability	< 50°C (pH 8.0, 30min)
抑制剂 Inhibitors	Ag ⁺ , Hg ²⁺ , Cu ²⁺
比活 Specific activity	≥ 25 U/mg-protein
活性定义 Unit definition	One unit will deaminate one micromole of Sarcosine per min at pH 8.0 at 37°C.
运用 Application	This enzyme is useful for enzymatic determination of creatinine, creatine, and sarcosine when coupling with creatinine amidohydrolase and creatine amidinohydrolase.