

产品说明书

Product Specification

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