

# 产品说明书

## Product Specification

产品名称 <b>Product Name</b>	Creatininase(CAH)
货号 <b>Catalog Number</b>	CSB-DE004
产品形态 <b>Formation</b>	White powder, lyophilized
来源 <b>Source</b>	Recombinant
EC 编号 <b>EC Number</b>	EC 3.5.2.10
CAS 编号 <b>CAS Number</b>	9025-13-2
存储条件 <b>Storage</b>	Store at $\leq -20$ °C
有效期 <b>Valid Period</b>	-20 °C for 18 months
分子量 <b>Molecular weight</b>	47 kDa (SDS-PAGE)
最适 pH <b>Optimum pH</b>	6.5—7.5
最适温度 <b>Optimum temperature</b>	70°C
pH 稳定性 <b>pH Stability</b>	8.5~9.0 (25°C, 16hr)
热稳定性 <b>Thermal stability</b>	< 70°C (pH 7.4, 30min)
抑制剂 <b>Inhibitors</b>	Ag <sup>+</sup> , Hg <sup>2+</sup> , N-bromosuccinimide, EDTA
比活 <b>Specific activity</b>	$\geq 500$ U/mg-protein
活性定义 <b>Unit definition</b>	One unit will convert one micromole of creatinine to creatine per min at pH 7.5 at 37°C.
运用 <b>Application</b>	This enzyme is useful for enzymatic determination of creatinine when coupled with creatine amidinohydrolase sarcosine dehydrogenase or sarcosine oxidase and formaldehyde dehydrogenase in clinical analysis.