

产品说明书

Product Specification

产品名称	Creatininase(CAH)
Product Name	
货号	CSB-DE004
Catalog Number	
产品形态	White powder, lyophilized
Formation	
来源	Recombinant
Source	
EC 编号	EC 3.5.2.10
EC Number	
CAS 编号	9025-13-2
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	47 kDa (SDS-PAGE)
Molecular weight	
最适 pH	6.5—7.5
Optimum pH	
最适温度	70°C
Optimum temperature	
pH 稳定性	8.5~9.0 (25°C , 16hr)
pH Stability	
热稳定性	$< 70^{\circ}\text{C}$ (pH 7.4, 30min)
Thermal stability	
抑制剂	Ag^{+} , Hg^{2+} , N-bromosuccinimide, EDTA
Inhibitors	
比活	≥ 500 U/mg-protein
Specific activity	
活性定义	One unit will convert one micromole of creatinine to creatine per min at pH 7.5 at 37°C .
Unit definition	
运用	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.
Application	