

Creatinine Amidohydrolase from Microorganism

Product Information

Cat#	DIA-427
Source	Microorganism
Form	Freeze dried powder
Activity	≥ 400.0 U/mg
Isoelectric point	5.3
Storage	-25 °C to -15 °C
Enzyme Commission Number	EC 3.5.2.10
Purity	≥ 90.0% (SDS-PAGE)
pH Stability	pH 5.5–10.0 (25 °C, 16 h)
Michaelis Constant	5.0 × 10 ⁻² M (Creatinine) 8.0 × 10 ⁻² M (Creatine)
Optimum pH	7.0–8.0
Optimum temperature	65 °C
Thermal stability	Below 65 °C (pH 8.0, 30 min)
Inhibitors	Hg ²⁺ , Cu ²⁺ , Fe ³⁺
Applications	For enzymatic determination of creatinine when coupled with creatine amidohydrolase and sarcosine oxidase.
Appearance	White to faint yellow lyophilizate
Molecular Weight	29 kDa (SDS-PAGE)
Package	10/100/1000/10000 KU