

Recombinant Creatininase (CAH)

Product Information

Cat#	BDE-007
Description	Creatinine is a key indicator of kidney function. Enzymatic methods, known for their high specificity and reliability, represent the future of creatinine measurement. The enzymatic assay proceeds in three steps.
Applications	As an upstream enzyme in creatinine testing, it efficiently converts creatinine into creatine for subsequent colorimetric reactions.
CAS No.	9025-13-2
Enzyme Commission Number	EC 3.5.2.10
Form	White powder, lyophilized
Source	Recombinant
Activity	≥ 500 U/mg-protein
Unit Definition	One unit will convert one micromole of creatinine to creatine per min at pH 7.5 at 37°C.
Molecular Weight	47 kDa (SDS-PAGE)
Optimum pH	6.5-7.5
Optimum temperature	70°C
pH Stability	8.5-9.0 (25°C, 16 h)
Thermal Stability	< 70°C (pH 7.4, 30 min)
Inhibitors	Ag ⁺ , Hg ²⁺ , N-bromosuccinimide, EDTA
Storage	Store at ≤ -20 °C.