

Creatininase from Microorganism

Product Code: 173609

EC: 3.5.2.10

SKU: 173609

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS

EC 3.5.2.10

Product name:	Creatinine amidohydrolase
Appearance:	White amorphous powder lyophilized
Activity:	Grade III 150 U/mg-solid or more
Contaminant:	NADH oxidase ≤ 5.0×10-2 % Catalase ≤ 2.0 %
Stabilizers:	Sucrose, BSA
Stability:	Stable at □20°C for at least 12 months
Molecular weight:	approx. 175,000
Isoelectric point:	4.7

Michaelis constants:	3.2×10^{-2} M (Creatinine), 5.7×10^{-2} M (Creatine)
Structure: subunit)	8 subunits per mol of enzyme (One mol of zinc is bound to each
Inhibitors:	Ag ⁺ , Hg ²⁺ N-bromosuccinimide, EDTA
Optimum pH:	6.5–7.5
Optimum temperature:	70 °C
pH Stability:	pH 7.5–9.0 (5°C, 16hr)
Thermal stability:	below 70 °C (pH 7.5, 30min)