

## **Creatininase from Microorganism**

**Product Code:** 173609

**EC:** 3.5.2.10

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**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 $\leq 5.0 \times 10^{-2}$ % Catalase $\leq 2.0$ %
Stabilizers:	Sucrose, BSA
Stability:	Stable at $\square 20^{\circ}\text{C}$ for at least 12 months
Molecular weight:	approx. 175,000
Isoelectric point:	4.7

Michaelis constants:	$3.2 \times 10^{-2}$ M (Creatinine), $5.7 \times 10^{-2}$ M (Creatine)
Structure: subunit)	8 subunits per mol of enzyme (One mol of zinc is bound to each
Inhibitors:	Ag <sup>+</sup> , Hg <sup>2+</sup> 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)