

## Creatininase, Microorganism

Cat. No.:	HY-P2838
CAS No.:	9025-13-2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### Creatininase, Microorganism

#### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 50 mg/mL (Need ultrasonic)
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#### BIOLOGICAL ACTIVITY

Description	Creatininase (EC 3.5.2.10) (Creatinine amidohydrolase; CAH), namely creatinine amidohydrolase, from <i>Pseudomonas putida</i> , is a homohexameric enzyme commonly used in biochemical research. Creatininase acts on carbon-nitrogen bonds other than peptide bonds, and can catalyze the hydrolysis of creatinine to creatine, which can then be metabolized by creatinase to urea and sarcosine <sup>[1]</sup> .
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#### REFERENCES

[1]. Barbara Beuth, et al. Crystal structure of creatininase from *Pseudomonas putida*: a novel fold and a case of convergent evolution. *J Mol Biol.* 2003 Sep 5;332(1):287-301.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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