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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Creatinase, Actinobacteria

Cat. No.: HY-P2893

CAS No.: 37340-58-2

Target: Endogenous Metabolite

Pathway: Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

Creatinase, Actinobacteria

SOLVENT & SOLUBILITY

In Vitro	H_2O : 100 mg/mL (Need ultrasonic)

BIOLOGICAL ACTIVITY

Description	Creatinase, Actinobacteria (Creatine amidohydrolase) is a hydrolase that catalyzes the hydrolysis of creatine into sarcosine and urea, and plays an important role in the enzymatic determination of creatinine concentration[1].
In Vitro	Product Information This product can hydrolyze creatine and is used in the development and preparation of enzymatic creatinine reagents. Molecular weight: 48 kDa (SDS-PAGE) Isoelectric point: 4.6 Inhibitors: Ag^{+}, Cu^{2+}, Hg^{2+} Optimum: pH 7.5 Optimum temperature: 45-50℃ pH stability 4.5-10.0 (25℃, 16 h) Instructions Can be dissolved in water (1 mg/mL), or according to specific experimental references (such as using 50 mM PBS, pH 7.5). MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. J Schumann, et al. Stabilization of creatinase from Pseudomonas putida by random mutagenesis. Protein Sci. 1993 Oct;2(10):1612-20.

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