



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Amidase

Cat. No.:	HY-P2736
CAS No.:	9012-56-0
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

# Amidase

### BIOLOGICAL ACTIVITY

#### Description

Amidases, a member of nitrilase superfamily, catalyzes the hydrolysis of an amide, leading to the formation of carboxylic acid and ammonia. Amidases contain a conserved stretch of approximately 130 amino acids known as the AS sequence, and play a role in important metabolic processes<sup>[1]</sup>.

### REFERENCES

- [1]. Weber BW, et al. The mechanism of the amidases: mutating the glutamate adjacent to the catalytic triad inactivates the enzyme due to substrate mispositioning. *J Biol Chem.* 2013 Oct 4;288(40):28514-23.
- [2]. Li W, et al. An Amidase Contributes to Full Virulence of *Sclerotinia sclerotiorum*. *Int J Mol Sci.* 2022 Sep 23;23(19):11207.
- [3]. Weber BW, et al. The mechanism of the amidases: mutating the glutamate adjacent to the catalytic triad inactivates the enzyme due to substrate mispositioning. *J Biol Chem.* 2013 Oct 4;288(40):28514-23.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA