



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

www.szabo-scandic.com

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

Lichenase, Microorganism

Cat. No.:	HY-E70013	
CAS No.:	37288-51-0	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	Lichenase, Microorganism
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic)
----------	------------------------------------

BIOLOGICAL ACTIVITY

Description	Lichenase, Microorganism (endo-1,3:1,4-β-D-Glucanase) is a specific, endo-(1-3),(1-4)-β-D-glucan 4-glucanohydrolase. Lichenase, Microorganism solubilizes β-glucans from cereal grains and gives gluco-oligosaccharides (GOS). Lichenase, Microorganism can be used in the degradation of polysaccharides in the cell walls ^{[1][2]} .
In Vitro	Product Information EDTA, Zn²⁺ and Fe³⁺ may inhibit enzyme activity. Hydrolysis properties of the lichenase 1. Incubate 1% β-glucan (20 mm Na₂HPO₄-citrate, pH 6.5) with 10 U Lichenase at 60°C and stir at 150 rpm. 2. Remove aliquots periodically and place the samples in boiling water for 10 min to stop the reaction. 3. The enzymatic solution was treated with 10% isopropanol and centrifuged at 10,000 rpm for 15 min to remove the residue. 4. Take the supernatant (2 μL) and perform thin layer chromatography analysis using a butanol acetic acid-water (2:1:1, v/v) solvent system. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Huang Z, et al. Characterization of a Thermostable Lichenase from *Bacillus subtilis* B110 and Its Effects on β-Glucan Hydrolysis. *J Microbiol Biotechnol*. 2022 Apr 28;32(4):484-492.
- [2]. Tyurin AA, et al. A high throughput assay of lichenase activity with Congo red dye in plants. *Plant Methods*. 2021 Oct 9;17(1):102.

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