



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) 

L-Lactate dehydrogenase, Microorganism

Cat. No.:	HY-P2807		
CAS No.:	9001-60-9		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

L-Lactate dehydrogenase

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 100 mg/mL * "≥" means soluble, but saturation unknown.
----------	--

BIOLOGICAL ACTIVITY

Description	L-Lactate dehydrogenase, Microorganism (LAD) is a redox enzyme. L-Lactate dehydrogenase catalyzes the reduction of pyruvate to L-lactate by NADH in vivo with absolute enantiospecificity ^[1] .
-------------	--

In Vitro	<p>Reaction conditions</p> <p>Molecular weight:38 kDa (SDS-PAGE)</p> <p>Isoelectric point:6.2</p> <p>Optimum pH:6.5</p> <p>Optimum temperature:45 °C</p> <p>pH Stability:4.5-10.0 (37 °C 1h)</p> <p>Thermal stability:<50 °C (pH7.4,15min)</p> <p>Inhibitors:Co²⁺ Cu²⁺ Fe³⁺ Ni²⁺ Zn²⁺ NEM SDS Proclin</p> <p>Protocol</p> <p>The enzyme dissolved in water</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>
----------	---

REFERENCES

[1]. Simon ES, et al. D-lactate dehydrogenase. Substrate specificity and use as a catalyst in the synthesis of homochiral 2-hydroxy acids. Appl Biochem Biotechnol. 1989 Nov;22(2):169-79.

[2]. Holmberg N, et al. Redesign of the coenzyme specificity in L-lactate dehydrogenase from bacillus stearothermophilus using site-directed mutagenesis and media engineering. Protein Eng. 1999 Oct;12(10):851-6.

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