

Saisir le nom du produit, le numéro de lot, etc.





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10197734001 Roche

Glutamate Dehydrogenase (GIDH)

from beef liver

Synonyme(s):
DNA marker

Numéro de classification (Commission des enzymes):
[1.4.1.3 \(BRENDA, IUBMB\)](#)

Référence	Conditionnement	Disponibilité	Prix	Quantité
10197734001	3000 UNITS	 Only 5 left in stock (more on the way) Détails...	69,40 €	- + 

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Ajouter au panier

PRODUITS RECOMMANDÉS



Sigma-Aldrich

G7882

L-Glutamic Dehydrogenase from bovine liver

Type III, lyophilized powder, ≥20 units/mg protein



Sigma-Aldrich

G2626

L-Glutamic Dehydrogenase from bovine liver

Type II, 50% glycerol solution, ≥35 units/mg protein

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PROPRIÉTÉS

Niveau de qualité	100
Forme	lyophilized
specific activity	10 U/mg (Approximately 10 U/mg lyophilizate (120 U/mg enzyme protein) at +25°C with 2-oxoglutarate as the substrate, and ADP as the activator.) ~10 units/mg protein (at 25 °C with 2-oxoglutarate as the substrate, and ADP as the activator.)
Conditionnement	pkg of 3,000 U
manufacturer/tradename	Roche
pH optimal	8
Expédié(e)s dans	wet ice
Temp. de stockage	2-8°C

Catégories apparentées

Roche® Life Science Products

DESCRIPTION

Description générale

GDH (Glutamate dehydrogenase) is a hexamer of 449 residues and is located in the mitochondria. It acts as a branch-point enzyme between amino acid oxidation and urea production. L-glutamate:NAD(P)⁺ oxidoreductase is involved in deamination.

Application

Glutamate dehydrogenase has been used to measure residual ammonium by enzymatic analysis during fermentation by wine yeast. It used as a component of cofactor recycling systems for NAD(P) and NAD(P)H.

Qualité

Contaminants: <0.005% ADH, LDH, and MDH, each

Séquence

The smallest active structure of GIDH (310,000 to 350,000) is a hexamer subunit of 55,400 D. This hexamer reversibly self-assembles forming a polymer with up to eight hexamers (2,200 kD).

Autres remarques

For life science research only. Not for use in diagnostic procedures.

INFORMATIONS SUR LA SÉCURITÉ

**Code de la classe de
stockage**

WGK
WGK 1

Flash Point(F)
does not flash

Point d'éclair C
does not flash

11 - Combustible Solids

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

Plus De Documents

[Enzyme Explorer](#)

FDS

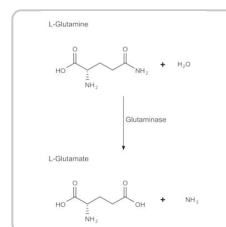
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

U1500**Urease from *Canavalia ensiformis* (Jack bean)**

Type III, powder, 15,000-50,000 units/g solid

[Consulter le prix et la disponibilité](#)

Sigma-Aldrich

G8880**Glutaminase from *Escherichia coli***

Grade V, lyophilized powder, 50-200 units/mg protein

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ARTICLES REVUS PAR DES PAIRS

Disruption of the cell wall integrity gene ECM33 results in improved fermentation by wine yeast

Jin Zhang*Metabolic engineering (2018)*

Conformational flexibility in glutamate dehydrogenase. Role of water in substrate recognition and catalysis.

T J Stillman et al.*Journal of molecular biology, 234(4), 1131-1139 (1993-12-20)*

We have solved the structure of the binary complex of the glutamate dehydrogenase from *Clostridium symbiosum* with glutamate to 1.9 Å resolution. In this complex, the glutamate side-chain lies in a pocket on the enzyme surface and a key determinant

A novel reagentless glutamate microband biosensor for real-time cell toxicity monitoring.

G Hughes et al.*Analytica chimica acta, 933, 82-88 (2016-08-09)*

A reagentless glutamate biosensor was applied to the determination of glutamate released from liver hepatocellular carcinoma cells (HepG2) in response to toxic challenge from various concentrations of paracetamol. A screen printed carbon electrode (SPCE) containing the electrocatalyst Meldola's Blue (MB-SPCE)

Advantages of glutamate dehydrogenase as a blood biomarker of acute hepatic injury in rats.

P J O'Brien et al.

Laboratory animals, 36(3), 313-321 (2002-07-30)

In a recent study in rats, alanine aminotransferase (ALT), the preferred plasma biomarker of hepatocellular injury in rats, was ineffective at detecting marked hepatic necrosis produced by acetaminophen (Human and Experimental Toxicology 19, 277-83, 2000). In contrast, glutamate dehydrogenase (GLDH)

Po Chen et al.

Fly, 14(1-4), 3-9 (2020-07-04)

Glutamine: fructose-6-phosphate amidotransferase (GFAT) enzymes catalyse the first committed step of the hexosamine biosynthesis pathway (HBP) using glutamine and fructose-6-phosphate to form glucosamine-6-phosphate (GlcN6P). Numerous species (e.g. mouse, rat, zebrafish, chicken) including humans and Drosophila encode two broadly expressed copies

PRODUITS CONSULTÉS RÉCEMMENT



Roche

10165948001

RNA, MS2

from bacteriophage MS2

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Roche

PRON-RO

Pronase

from *Streptomyces griseus*

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SERVICE TECHNIQUE

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