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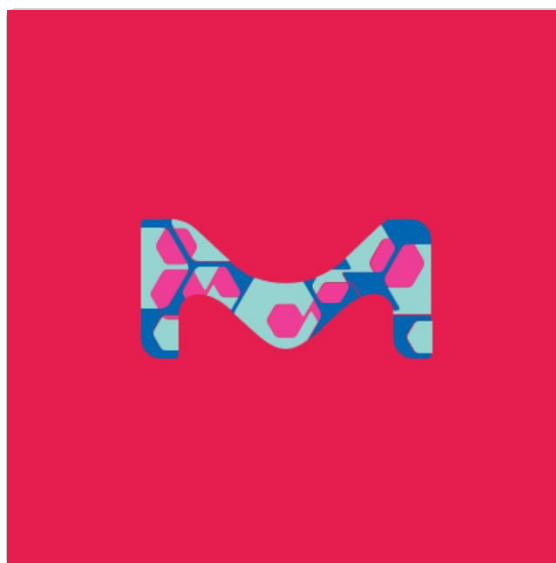


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**79302** ▶ **Sigma-Aldrich®**

Esterase from *Bacillus stearothermophilus*

★★★★★ (0)

recombinant, expressed in *E. coli*, ≥4.0 U/mg[Toutes les photos](#) (1)

Numéro CAS:

9016-18-6

Numéro de classification (Commission des enzymes):

3.1.1.1 (BRENDA, IUBMB)

Numéro EC:

232-773-7

Numéro MDL:

MFCD00131030

NACRES:

NA.54

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Reference:

79302-10MG



10 MG

180,00 €



Disponible pour expédition le 10 octobre 2022 - **De**

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1

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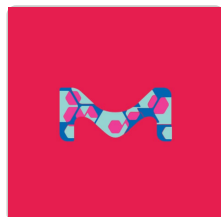
Documents

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PRODUITS RECOMMANDÉS



Sigma-Aldrich

96667

Esterase from *Bacillus subtilis*

recombinant, expressed in *E. coli*, ≥10 U/mg

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Recombinant
expressed in *E. coli*

Niveau de qualité
100

Forme
crystalline
crystals
powder or flakes

specific activity
≥4.0 U/mg

Temp. de stockage
-20°C

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DESCRIPTION

Application

Esterase, from *Bacillus stearothermophilus*, may be used for the characterization of novel esterases .
Product 79302 is recombinant and expressed in *E. coli*.

Actions biochimiques/physiologiques

An esterase is a hydrolase that splits esters into acids and alcohols. The esterase catalyzes the transesterification of 1-phenylethanol.

The esterase catalyzes the transesterification of 1-phenylethanol.

Conditionnement

Bottomless glass bottle. Contents are inside inserted fused cone.

Définition de l'unité

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INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

WGK

WGK 1

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

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

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Plus De Documents

Enzyme Explorer

FDS

ARTICLES REVUS PAR DES PAIRS

Characterization and heterologous gene expression of a novel esterase from *Lactobacillus casei* CL96.

Young J Choi et al.

Applied and environmental microbiology, 70(6), 3213-3221 (2004-06-09)

A novel esterase gene (*estI*) of *Lactobacillus casei* CL96 was localized on a 3.3-kb *Bam*HI DNA fragment containing an open reading frame (ORF) of 1,800 bp. The ORF of *estI* was isolated by PCR and expressed in *Escherichia coli*, the

Novel insights into *Mycobacterium* antigen Ag85 biology and implications in countermeasures for *M. tuberculosis*.

XieMei Tang et al.

Critical reviews in eukaryotic gene expression, 22(3), 179-187 (2012-11-13)

Tuberculosis remains one of the most prevalent and deadly infectious diseases, largely due to the emergence of multidrug-resistant and extensive drug-resistant *Mycobacterium tuberculosis*, especially the coinfection with HIV. *Mycobacterium* Ag85 complex (Ag85A, B, and C), with a carboxylesterase consensus sequence

Conventional liquid chromatography/triple quadrupole mass spectrometry based metabolite identification and semi-quantitative estimation approach in the investigation of *in vitro* dabigatran etexilate metabolism.

Zhe-Yi Hu et al.

Analytical and bioanalytical chemistry, 405(5), 1695-1704 (2012-12-15)

Dabigatran etexilate (DABE) is an oral prodrug that is rapidly converted by esterases to dabigatran (DAB), a direct inhibitor of thrombin. To elucidate the esterase-mediated metabolic pathway of DABE, a high-performance liquid chromatography/mass spectrometry based metabolite identification and semi-quantitative estimation

Human liver carboxylesterase 1 outperforms alpha-fetoprotein as biomarker to discriminate hepatocellular carcinoma from other liver diseases in Korean patients.

Keun Na et al.

International journal of cancer, 133(2), 408-415 (2013-01-16)

Although alpha-fetoprotein (AFP) is currently the major serologic biomarker for hepatocellular carcinoma (HCC), it cannot efficiently distinguish this cancer from other forms of liver disease in early diagnosis due to its low sensitivity.

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Structure of the acetylase domain of Escherichia coli PgaB, an enzyme required for biofilm formation: a circularly permuted member of the carbohydrate esterase 4 family.

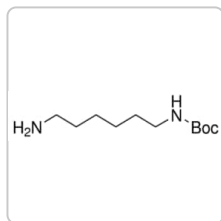
Takashi Nishiyama et al.

Acta crystallographica. Section D, Biological crystallography, 69(Pt 1), 44-51 (2013-01-01)

Bacterial biofilm formation is an extremely widespread phenomenon involving the secretion of a protective exopolysaccharide matrix which helps the bacteria to attach to surfaces and to overcome a variety of stresses in different environments. This matrix may also include proteins

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PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

79229

N-Boc-1,6-hexanediamine

≥98.0% (NT)

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