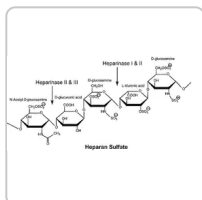


Saisir le nom du produit, le numéro de lot, etc.



Toutes les
photos (1)

Documents

↓ FDS

Q COO/COA

☰ Fiche des
caractéristiques

Plus de
documents »

H8891 ► Sigma-Aldrich.

Heparinase III from *Flavobacterium heparinum*

★★★★★ (0)

Lyophilized powder stabilized with approx. 25% (w/w) bovine serum albumin, ≥30 units/mg protein (enzyme + BSA)

Synonyme(s):

Heparin Lyase III, Heparitinase I, Heparitinase from *Flavobacterium heparinum*

Numéro CAS: **37290-86-1**

Numéro de classification
(Commission des enzymes):

4.2.2.8 (BRENDA, IUBMB)

Numéro MDL: **MFCD00131319**

NACRES:

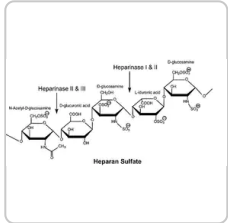
NA.54

Référence	Conditionnement	Disponibilité	Prix	Quantité
H8891-5UN	5 UNITS	✓ Only 4 left in stock (more on the way) Détails...	278,00 €	− + i
H8891-10UN	10 UNITS	✓ Only 3 left in stock (more on the way) Détails...	476,00 €	− + i
H8891-50UN	50 UNITS	✓ Only 5 left in stock (more on the way) Détails...	1 900,00 €	− + i

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[Ajouter au panier](#)

PRODUITS RECOMMANDÉS



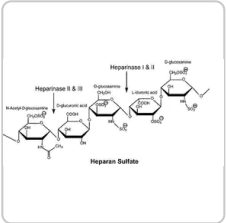
Sigma-Aldrich

H2519

Heparinase I from *Flavobacterium heparinum*

Lyophilized powder stabilized with approx. 25% bovine serum albumin, ≥200 units/mg protein (enzyme + BSA)

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

H6512

Heparinase II from *Flavobacterium heparinum*

Lyophilized powder stabilized with approx. 25% bovine serum albumin, lyophilized powder, ≥100 units/mg...

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Source biologique	bacterial (<i>Flavobacterium heparinum</i>)
Niveau de qualité	200
Forme	lyophilized powder
specific activity	≥30 units/mg protein (enzyme + BSA)
Poids mol.	70.8 kDa
application(s)	diagnostic assay manufacturing
Temp. de stockage	-20°C

DESCRIPTION

Application

Heparinase III from *Flavobacterium heparinum* has been used to cleave specific GAGs. It has been used to study its effect on the electrophoretic mobility of the protein reacting with the anti-aFGF (acidic fibroblast growth factor) antibody.

Actions biochimiques/physiologiques

Heparinase III prevents the formation of new blood vessels *in vivo*. It specifically degrades heparin sulphate at the H_{NY}-I and H_{NY,6X}-G² links. Unlike other heparinase, heparinase III does not contain the amino acid cysteine. It contains 13 histidine residues, which is responsible for its catalytic action. This enzyme is not active towards heparin or low molecular weight heparins.

Heparin-degrading lyase that recognizes heparin sulfate proteoglycan as its primary substrate.

Définition de l'unité

One unit will form 0.1 μmole of unsaturated uronic acid per hr at pH 7.5 at 25 °C. One International Unit (I.U.) is equivalent to approx. 600 Sigma units. Package sizes are sold in Sigma units.

Autres remarques

View more information on [enzymes for complex carbohydrate analysis](#) at www.sigma-aldrich.com/enzymeexplorer

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

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

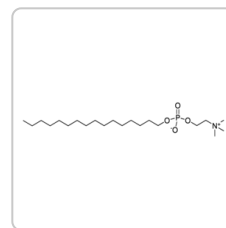


Sigma-Aldrich

H7640

Heparan sulfate sodium salt from bovine kidney

[Consulter le prix et la disponibilité](#)



Avanti

850337P

MAPCHO®-16

n-hexadecylphosphocholine, powder

[Consulter le prix et la disponibilité](#)

QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

Which document(s) contains shelf-life or expiration date information for a given product?

If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis.

How do I get lot-specific information or a Certificate of Analysis?

The lot specific COA document can be found by entering the lot number above under the "Documents" section.

How do I find price and availability?

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

What is the Department of Transportation shipping information for this product?

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

Is Product No. H8891, Heparinase III sold based on Sigma Units or International Units?

This material is sold based on Sigma Units. One Sigma Unit will form 0.1 μ mole of unsaturated uronic acid per hr at pH 7.5 at 25 °C. One International Unit (I.U.) is equivalent to approx. 600 Sigma units.

Does Product No. H8891, Heparinase III, contain calcium?

This product is lyophilized from a solution which is 75 mM NaCl/ 5mM NaH₂PO₄. We have no reason to believe that calcium ions are present.

My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

Degradation of the endothelial glycocalyx is associated with chylomicron leakage in mouse cremaster muscle microcirculation.

A Constantinescu et al.

Thrombosis and haemostasis, 105(5), 790-801 (2010-12-22)

A thick endothelial glycocalyx contributes to the barrier function of vascular endothelium in macro- and microcirculation. We hypothesised in the current study that diet-induced hyperlipidaemia perturbs the glycocalyx, resulting in decreased dimensions of this layer and increased transendothelial lipoprotein leakage

Composition of the endothelial glycocalyx and its relation to its thickness and diffusion of small solutes

Gao L and Lipowsky HH

Microvascular Research, 80(3), 394-401 (2010)

Human papillomavirus sperm infection and assisted reproduction: a dangerous hazard with a possible safe solution.

Andrea Garolla et al.

Human reproduction (Oxford, England), 27(4), 967-973 (2012-02-09)

Human papillomavirus (HPV) infection has been demonstrated in the sperm of a large percentage of sexually active males and is associated with an impairment of sperm parameters, with a particular negative impact on sperm motility, suggesting a possible role in

FGF binding by extracellular matrix components of Wharton's jelly

Malkowski A, et al.

Acta Biochimica Polonica, 54(2), 357-357 (2007)

PDGF-A interactions with fibronectin reveal a critical role for heparan sulfate in directed cell migration during *Xenopus* gastrulation.

Erin M Smith et al.

Proceedings of the National Academy of Sciences of the United States of America, 106(51), 21683-21688 (2009-12-08)

Platelet-derived growth factor (PDGF) signaling is essential for processes involving cell motility and differentiation during embryonic development in a wide variety of organisms including the mouse, frog, zebrafish, and sea urchin. In early *Xenopus laevis* embryos, PDGF-AA provides guidance cues

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

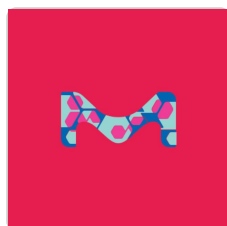
[Carbohydrate Analysis III](#)

A key resource feature at our Enzyme Explorer section of biochemicals is "Enzymes for Carbohydrate Analysis and Digestion." Offering kits, reagents, analysis, lists of enzymes related to PTM and carbohydrate metabolism.

Glycosaminoglycan Sulfation and Signaling

Glycosaminoglycans are large linear polysaccharides constructed of repeating disaccharide units.

PRODUITS CONSULTÉS RÉCEMMENT



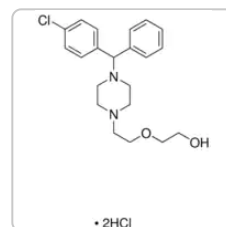
Sigma-Aldrich

H8889

Histopaque®-1077 Hybri-Max™

liquid, sterile-filtered, BioReagent, suitable for hybridoma

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

H8885

Hydroxyzine dihydrochloride

≥98%

[Consulter le prix et la disponibilité](#)

Évaluations



[Soyez le premier à donner votre avis sur ce produit](#)

Questions

Soyez le premier à poser une question

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

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