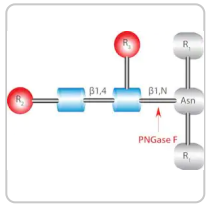

Toutes les photos (1)

Documents

FDS

COO/COA

Fiche des caractéristiques

Plus de documents

P7367 ▶ Sigma-Aldrich®

PNGase F from *Elizabethkingia meningoseptica*

(0)

BioReagent, ≥95% (SDS-PAGE), for proteomics

Synonyme(s):
N-Glycosidase F, PNGase F from *Chryseobacterium meningosepticum*, PNGase F from *Flavobacterium meningosepticum*, Peptide N-glycosidase

Numéro CAS: 83534-39-8

Numéro de classification (Commission des enzymes): 3.5.1.52 (BRENDA, IUBMB)

Numéro MDL: MFCD00131222

NACRES: NA.32

Référence	Conditionnement	Disponibilité		Prix	Quantité
P7367-50UN	50 UNITS	Disponible pour expédition le 07 octobre 2022	Détails...	331,00 €	− +
P7367-300UN	300 UNITS	Disponible pour expédition le 07 octobre 2022	Détails...	1 530,00 €	− +

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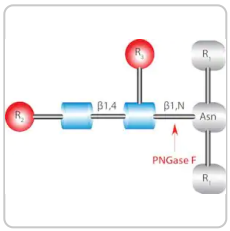
PRODUITS RECOMMANDÉS



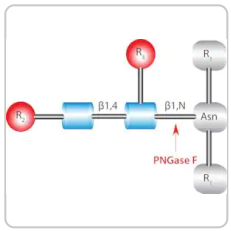
Sigma-Aldrich

G5166

PNGase F from *Elizabethkingia miricola*

buffered aqueous solution

Consulter le prix et la disponibilité



Sigma-Aldrich

F8435

PNGase F from *Elizabethkingia meningoseptica*

lyophilized powder, recombinant, expressed in *E. coli*

Consulter le prix et la disponibilité

PROPRIÉTÉS

Source biologique	bacterial (*Elizabethkingia meningoseptica*)
Niveau de qualité	200
Conjugué	(*N*-linked)
Qualité	for proteomics
Gamme de produits	BioReagent
Essai/Dosage	≥95% (SDS-PAGE)
Forme	powder
	≥1 weeks at 2-8 °C (for a reconstituted solution >500 units/ml)

Durée de conservation	≥1 yr at 2-8 °C Solution is stable for at least 3 freeze-thaw cycles
Poids mol.	~36 kDa
Concentration	≥300 units/mL ≥50 units/mL
pH optimal	~8.6
Expédié(e)(s) dans	wet ice
Temp. de stockage	2-8°C

Vous recherchez des produits similaires ? Visit **Guide de comparaison des produits**

Catégories apparentées

Glycobiology Profiling Tools

DESCRIPTION

Description générale

Proteomics Grade PNGase F has been extensively purified and lyophilized from dilute potassium phosphate buffer to produce a stable product. The product is free from glycerol and other stabilizers, and contains very low levels of buffer salts. This highly purified material is excellent for N-linked deglycosylation of glycoproteins or glycopeptides in gel, in solution, or on blot membranes.

Application

PNGase F from *Elizabethkingia meningoseptica* has been used:

- for de-*N*-glycosylation of Zika20virus E protein
- to evaluate coxsackievirus and adenovirus receptor glycosylation using CAR-expressing COS cells
- to verify the *N*-linked glycosylation of MHC class 1 polypeptide-related sequence A (MICA)

Suitable for both proteomics and glycobiology use; compatible with MALDI-TOF MS analysis

Used to deglycosylate protein.

Actions biochimiques/physiologiques

Cleaves an entire glycan from a glycoprotein provided the glycosylated asparagine moiety is substituted on its amino and carboxyl terminus with a polypeptide chain.

Définition de l'unité

One unit will catalyze the release of N-linked oligosaccharides from 1 nanomole of denatured ribonuclease B in one minute at 37°C at pH 7.5 monitored by SDS-PAGE. One Sigma unit of PNGase F activity is equal to 1 IUB milliunit.

PRODUITS APPARENTÉS

Produit Apparenté

PP0200

GlycoProfile™ I, In-Gel Deglycosylation Kit

View Pricing

PP0201

Glycoprofile™ II, Enzymatic In-Solution N-Deglycosylation Kit, sufficient for 20 samples

View Pricing

INFORMATIONS SUR LA SÉCURITÉ

Pictograms

GHS08

Mention d'avertissement
Danger

Mentions de danger
H334

Conseils de prudence
P261 - P284 - P501

Classification des risques
Resp. Sens. 1

Code de la classe de stockage
11 - Combustible Solids

WGK
WGK 2

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

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Numéro de lot

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Comment saisir un numéro de lot (COO)

Rechercher

Fiche D'informations Produit

Product Information Sheet - P7367

Brochures

Glycobiology Brochure

Newsletter / Publication

PNGase F Enzyme: Efficient N-Deglycosylationin Glycoprotein Analysis

Plus De Documents

Enzyme Explorer

FDS

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

Sigma-Aldrich

PP0201

Glycoprofile™ II, Enzymatic In-Solution N-Deglycosylation Kit

sufficient for 20 samples

Consulter le prix et la disponibilité

Roche

ENDOH-RO

Endoglycosidase H

recombinant form of the gene from *Streptomyces plicatus*

Consulter le prix et la disponibilité

ARTICLES REVUS PAR DES PAIRS

Improvement of electrospray stability in negative ion mode for nano-PGC-LC-MS glycoanalysis via post-column make-up flow.

Terry Nguyen-Khuong et al.
Glycoconjugate journal, 35(6), 499-509 (2018-11-24)

Analysis of glycans via a porous graphitized carbon liquid chromatography (PGC-LC) coupled with electrospray ionization (tandem) mass spectrometry (ESI-MS(/MS)) is a powerful analytical method in the field of glycomics. Isobaric glycan structures can be identified reliably with the help of

Functional effects of coxsackievirus and adenovirus receptor glycosylation on homophilic adhesion and adenoviral infection.

Katherine J D Ashbourne Excoffon et al.
Journal of virology, 81(11), 5573-5578 (2007-03-23)

The coxsackievirus and adenovirus receptor (CAR) is both a viral receptor and homophilic adhesion protein. The extracellular portion of CAR consists of two immunoglobulin (Ig)-like domains, each with a consensus sequence for N-glycosylation. We used chemical, genetic, and biochemical studies

Combined FGFR and Akt pathway inhibition abrogates growth of FGFR1 overexpressing EGFR-TKI-resistant NSCLC cells.

Mikkel G Terp et al.
NPJ precision oncology, 5(1), 65-65 (2021-07-17)

EGFR tyrosine kinase inhibitor (TKI) resistance in non-small cell lung cancer (NSCLC) patients is inevitable. Identification of resistance mechanisms and corresponding targeting strategies can lead to more successful later-line treatment in many patients. Using spectrometry-based proteomics, we identified increased fibroblast

2-deoxy D-glucose prevents cell surface expression of NKG2D ligands through inhibition of N-linked glycosylation.

Lars Andresen et al.
Journal of immunology (Baltimore, Md. : 1950), 188(4), 1847-1855 (2012-01-10)

NKG2D ligand surface expression is important for immune recognition of stressed and neotransformed cells. In this study, we show that surface expression of MICA/B and other NKG2D ligands is dependent on N-linked glycosylation. The inhibitor of glycolysis and N-linked glycosylation

Pannexin 1 mutation found in melanoma tumor reduces phosphorylation, glycosylation, and trafficking of the channel-forming protein.

Daniel Nouri-Nejad et al.
Molecular biology of the cell, 32(5), 376-390 (2021-01-07)

Pannexin 1 (PANX1) is a glycoprotein that forms large pore channels capable of passing ions and metabolites such as ATP for cellular communication. PANX1 has been implicated in many diseases including breast cancer and melanoma, where inhibition or deletion of

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

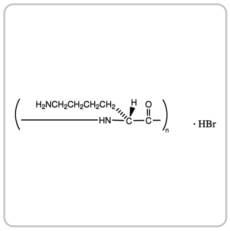
Post Translational Modification

Post-translational modifications such as glycosylation, phosphorylation, and sulfation, to name a few, serve many functions. As a result, the analysis of proteins and their post-translational modifications is particularly important for the study of diseases where multiple genes are known to be...

Strategies for Deglycosylating N-Linked Glycans

Explore various strategies for deglycosylating N-linked glycans involving PNGase F, PNGase A (Glycopeptidase A), and even native and sequential deglycosylation with endoglycosidases like Endoglycosidase H, Endoglycosidase F, and exoglycosidases.

PRODUITS CONSULTÉS RÉCEMMENT



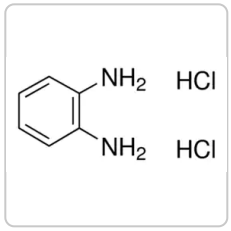
Sigma-Aldrich

P7280

Poly-D-lysine hydrobromide

average mol wt 30,000-70,000, lyophilized powder, γ-irradiated, BioReagent, suitable for cell culture

Consulter le prix et la disponibilité



Sigma-Aldrich

P7288

***o*-Phenylenediamine dihydrochloride**

tablet, 20 mg substrate per tablet

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

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