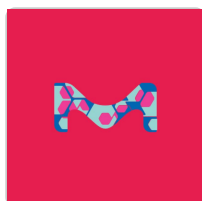


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P2922 ▶ **Sigma-Aldrich.**

Endoproteinase Glu-C from *Staphylococcus aureus* V8

★★★★★ (0)

Type XVII-B, lyophilized powder, 500-1,000 units/mg solid

Synonyme(s):
V8 Protease

Numéro CAS: **66676-43-5**

Numéro MDL: **MFCD01324998**

NACRES: NA.54

Numéro de classification
(Commission des enzymes): **3.4.21.19 (BRENDA, IUBMB)**

eCl@ss: 32160410

Référence	Conditionnement	Disponibilité	Prix	Quantité
P2922-100UN	100 UNITS	✓ Date d'expédition estimée le 25 octobre 2022	61,00 €	- +
P2922-500UN	500 UNITS	✓ Date d'expédition estimée le 22 novembre 2022	213,00 €	- +
P2922-2.5KU	2500 UNITS	✓ Date d'expédition estimée le 22 novembre 2022	698,00 €	- +

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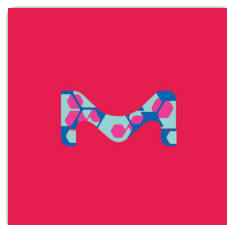
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PRODUITS RECOMMANDÉS



Sigma-Aldrich

P6181

Endoproteinase Glu-C from *Staphylococcus aureus* V8

suitable for protein sequencing, lyophilized powder

[Consulter le prix et la disponibilité](#)



Roche

10791156001

Endoproteinase Glu-C (V8 Protease)

from *Staphylococcus aureus* V8

[Consulter le prix et la disponibilité](#)



PROPRIÉTÉS

Type	Type XVII-B
Niveau de qualité	200
Forme	lyophilized powder
specific activity	500-1,000 units/mg solid
Poids mol.	29 kDa
Purifié(e)s par	chromatography

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Gene Information

Staphylococcus aureus subsp. aureus MW2 ... [sspA\(1003044\)](#)

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

Catégories apparentées

Proteases

DESCRIPTION

Application

Endoproteinase Glu-C from *Staphylococcus aureus* strain V8 is a serine protease used for selective cleavage of proteins for amino acid sequence determination or peptide mapping. Product P2922 has been used to linearize cyclic peptides in *C. ternatea* leaf extract.

Endoproteinase Glu-C from *Staphylococcus aureus* V8 has been used to digest reduced and alkylated cyclotides to produce linearized fragments.

It is used for selective cleavage of proteins for amino acid sequence determination or peptide mapping.

Actions biochimiques/physiologiques

Staphylococcus strain V8 protease specifically cleaves peptide bonds on the carboxyl side of aspartic and glutamic acid residues when used in phosphate buffer. When used in ammonium bicarbonate buffer or ammonium acetate buffer cleavage is restricted to the carboxyl side of glutamic acid residues only. The enzyme exhibits maximal activity from pH 4.0 to 7.8. If hemoglobin is used as the substrate, maximal activity is at pH 4.0. The maximal activity is at pH of 7.8 when casein is the substrate.

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INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

WGK

WGK 3

Équipement de protection individuelle

dust mask type N95 (US),
Eyeshields, Faceshields,
Gloves

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).

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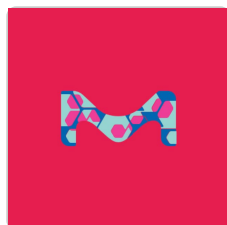
Rechercher

Plus De Documents

Enzyme Explorer

FDS

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

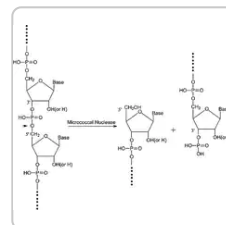


Sigma-Aldrich

324708

Endoproteinase Asp-N, Excision Grade,
Pseudomonas fragi

Consulter le prix et la disponibilité



Sigma-Aldrich

N3755

Nuclease micrococcal from *Staphylococcus aureus*

100-300 units/mg protein

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ARTICLES REVUS PAR DES PAIRS

Insight into the human pathodegradome of the V8 protease from *Staphylococcus aureus*.

Andrew Michael Frey et al.

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S. aureus α protease

Mildly acidic conditions eliminate deamidation artifact during proteolysis: digestion with endoprotease Glu-C at pH 4.5.

Shanshan Liu et al.

Amino acids, 48(4), 1059-1067 (2016-01-11)

Common yet often overlooked, deamidation of peptidyl asparagine (Asn or N) generates aspartic acid (Asp or D) or isoaspartic acid (isoAsp or isoD). Being a spontaneous, non-enzymatic protein post-translational modification, deamidation artifact can be easily introduced during sample preparation, especially

From the Cover: Discovery of an unusual biosynthetic origin for circular proteins in legumes

Aaron G. Poth, Michelle L. Colgrave, et al.

Proceedings of the National Academy of Sciences of the USA, 108 (2011)

Analysis of recombinant human erythropoietin glycopeptides by capillary electrophoresis electrospray-time of flight-mass spectrometry.

Estela Giménez et al.

Analytica chimica acta, 709, 81-90 (2011-11-30)

Capillary electrophoresis electrospray-mass spectrometry was used to detect and characterize the great variety of O- and N-glycopeptide glycoforms of recombinant human erythropoietin (rhEPO) using an orthogonal accelerating time-of-flight mass spectrometer to obtain their exact molecular masses (CE-TOF-MS). rhEPO was digested

Accessibility governs the relative reactivity of basic residues in formaldehyde-induced protein modifications.

Judy Toews et al.

Analytica chimica acta, 676(1-2), 60-67 (2010-08-31)

Cross-linking of proteins in a complex requires the chemical modification of the proteins in order to form a covalent link. This can be achieved in vivo using formaldehyde as it is small and rapidly permeates the cell membrane. Previous model

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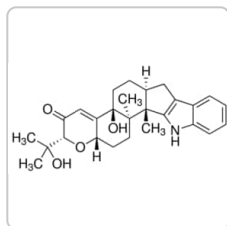
PROTOCOLES ET ARTICLES SCIENTIFIQUES

Protocoles

Enzymatic Assay of Endoproteinase Glu-C (EC 3.4.21.19)

This procedure may be used for determination of Endoproteinase Glu-C enzymatic activity using N-t-Boc-L-glutamic acid α -phenyl ester as the substrate.

PRODUITS CONSULTÉS RÉCEMMENT



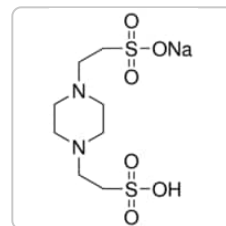
Sigma-Aldrich

P2928

Paxilline

powder, $\geq 98\%$ (HPLC)

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Sigma-Aldrich

P2949

PIPES sodium salt

$\geq 99\%$ (titration)

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Évaluations



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