

PNGase F Protein, *F. meningosepticum* (His)

Cat. No.:	HY-P79356
Synonyms:	PNGase F; PNGF; Peptide-N4-(N-acetyl-beta-D-glucosaminy)asparagine Amidase F
Species:	Others
Source:	E. coli
Accession:	P21163 (A41-N354)
Gene ID:	/
Molecular Weight:	Approximately 35 kDa

PROPERTIES

AA Sequence	<pre> A P A D N T V N I K T F D K V K N A F G D G L S Q S A E G T F T F P A D V T T V K T I K M F I K N E C P N K T C D E W D R Y A N V Y V K N K T T G E W Y E I G R F I T P Y W V G T E K L P R G L E I D V T D F K S L L S G N T E L K I Y T E T W L A K G R E Y S V D F D I V Y G T P D Y K Y S A V V P V I Q Y N K S S I D G V P Y G K A H T L G L K K N I Q L P T N T E K A Y L R T T I S G W G H A K P Y D A G S R G C A E W C F R T H T I A I N N A N T F Q H Q L G A L G C S A N P I N N Q S P G N W A P D R A G W C P G M A V P T R I D V L N N S L T G S T F S Y E Y K F Q S W T N N G T N G D A F Y A I S S F V I A K S N T P I S A P V V T N </pre>
Biological Activity	Measured by its ability to deglycosylate ribonuclease B under denatured conditions. >50% ribonuclease B (10 µg) is deglycosylated by 2.4 ng rFmPNGase F within 60 minutes, as measured under the described conditions.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4, 10% Glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	PNGase F (Peptide:N-glycosidase F) is a protein with the remarkable ability to cleave an entire glycan from a glycoprotein. This enzymatic process involves the removal of the glycosylated asparagine moiety, specifically requiring that the
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asparagine be substituted on both its amino (R1) and carboxyl (R2) termini with a polypeptide chain. PNGase F plays a pivotal role in the analysis and manipulation of glycoproteins by facilitating the release of N-linked glycans. This enzymatic activity is crucial for various applications in the study of protein glycosylation, allowing researchers to investigate the structural and functional implications of glycan modifications on proteins (

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA