

Elizabethkingia miricola PNGaseF Recombinant Protein-15000u

PX-P3070-10

DESCRIPTION

PNGase F is a recombinant glycosidase cloned from Elizabethkingia miricola and overexpressed in E. coli. It cleaves a complete glycan from a glycoprotein and it deaminates the asparagine to aspartic acid, but leaves the oligosaccharide undamaged. PNGase F will not eliminate oligosaccharides containing Alpha-(1, 3)-linked core fucose usually found in plant glycoproteins. A tri-peptide with the oligosaccharide-linked asparagine as the central residue is the minimal substrate for PNGase F.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Schizosaccharomyces pombe
FRAGMENT	Partial (Cter)
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	45,52 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	90%
PROTEIN ACCESSION	
FORM	liquid
BUFFER	PBS, imidazole 300mM
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID

SWISSPROTID

UNIPROT ID P21163

UNIPROT LINK <http://www.uniprot.org/uniprot/P21163>

NCBI GENE ALIASES

SYNONYMS Peptide -N-Glycosidase F, PNGase F, PNGaseF

PROTEIN SEQUENCE

MAHNHRHKHKLSVHSDNQSQISIEVGRDAPAAAAATDLGIGPQMTKSPASSVTHFSTPSMLPIGGTSLDDELLAPVDDL
NLDLGLDDLLGDEQGANAPAIEADEQAETSSIHLPDIMEDDSSRPAAAGVEEGQVVESATAPQQEKINPQKTVRRQRAI
IDPVTELSKQMKKQLADTSSITSPLCLNTSSIVFNATVNFTRNGKFNTSIFSSNLPKVNELLQADFKQAILRKRKNES
PEEVPAKHQRT

For research use only.