PAB-Dependent Poly (A)-Specific Ribonuclease Subunit PAN3 (PAN3), Partial (PAN3) Phaeosphaeria Nodorum Recombinant Protein

PRODUCT OVERVIEW

Product Name	PAB-dependent poly (A)-specific ribonuclease subunit PAN3 (PAN3), partial, Recombinant Protein
Full Product Name	Recombinant Phaeosphaeria nodorum PAB-dependent poly (A)-specific ribonuclease subunit PAN3 (PAN3), partial
Product Gene Name	PAN3 recombinant protein
Product Synonym Gene Name	PAN3; SNOG_02480
Product Synonym Names	PAB-dependent poly(A)-specific ribonuclease subunit PAN3; PAB1P-dependent poly(A)-nuclease
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	73,827 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q0V0I4
Species	Phaeosphaeria nodorum (strain SN15 / MYA-4574 / FGSC 10173) (Glume blotch fungus) (Septoria nodorum)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PAN3 recombinant protein	MBS1422774 is a recombinant protein targeting PAN3. Also known as Recombinant Phaeosphaeria nodorum PAB-dependent poly (A)-specific ribonuclease subunit PAN3 (PAN3), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PAN3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAN3. It may not necessarily be applicable to this product.

NCBI GI #	169599326
NCBI GeneID	5969936
NCBI Accession #	XP_001793086.1
UniProt Primary Accession #	Q0V0I4
GenBank Nucleotide #	XM_001793034.1
NCBI Official Full Name	hypothetical protein SNOG_02480
NCBI Official Symbol	SNOG_02480

UniProt Protein Name	PAB-dependent poly(A)-specific ribonuclease subunit PAN3
UniProt Synonym Protein Names	PAB1P-dependent poly(A)-nuclease; PAN deadenylation complex subunit 3
UniProt Gene Name	PAN3
UniProt Synonym Gene Names	SNOG_02480
UniProt Entry Name	PAN3_PHANO
NCBI Protein Information	hypothetical protein
UniProt Comments for PAN3	Regulatory subunit of the poly(A)-nuclease (PAN) deadenylation complex, one of two cytoplasmic mRNA deadenylases involved in mRNA turnover. PAN specifically shortens poly(A) tails of RNA when the poly(A) stretch is bound by poly(A)-binding protein PAB1, which is followed by rapid degradation of the shortened mRNA tails by the CCR4-NOT complex. Deadenylated mRNAs are then degraded by two alternative mechanisms, namely exosome-mediated 3'-5' exonucleolytic degradation, or deadenlyation-dependent mRNA decaping and subsequent 5'-3' exonucleolytic degradation by XRN1. May also be involved in post-transcriptional maturation of mRNA poly(A) tails. PAN3 acts as a positive regulator for PAN activity, recruiting the catalytic subunit PAN2 to mRNA via its interaction with PAB1.
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