PAB-Dependent Poly (A)-Specific Ribonuclease Subunit PAN2 (PAN2), Partial (PAN2) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	PAB-dependent poly (A)-specific ribonuclease subunit PAN2 (PAN2), partial, Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii PAB-dependent poly (A)-specific ribonuclease subunit PAN2 (PAN2), partial
Product Gene Name	PAN2 recombinant protein
Product Synonym Gene Name	PAN2; AFL055W
Product Synonym Names	PAB-dependent poly(A)-specific ribonuclease subunit PAN2; EC=3.1.13.4; 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	131,100 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 Q754X1
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PAN2 recombinant protein	MBS1432406 is a recombinant protein targeting PAN2. Also known as Recombinant Ashbya gossypii PAB-dependent poly (A)-specific ribonuclease subunit PAN2 (PAN2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PAN2 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 PAN2. It may not necessarily be applicable to this product.

NCBI GI #	302308548
NCBI GeneID	4621724
NCBI Accession #	NP_985493.2
UniProt Primary Accession #	Q754X1
UniProt Related Accession #	Q754X1
GenBank Nucleotide #	NM_210847.2
NCBI Official Full Name	AFL055Wp

NCBI Official Symbol	AGOS_AFL055W
UniProt Protein Name	PAB-dependent poly(A)-specific ribonuclease subunit PAN2
UniProt Synonym Protein Names	PAB1P-dependent poly(A)-nuclease; PAN deadenylation complex catalytic subunit 2
Protein Family	PAB-dependent poly(A)-specific ribonuclease
UniProt Gene Name	PAN2
UniProt Entry Name	PAN2_ASHGO
NCBI Protein Information	AFL055Wp
UniProt Comments for PAN2	Catalytic 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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/pab-dependent-poly-a-specific-ribonuclease-subunit-pan2-pan2-partial/1432406