PAB-Dependent Poly (A)-Specific Ribonuclease Subunit PAN2 (PAN2), Partial (PAN2) Candida Glabrata Recombinant Protein

PRODUCT OVERVIEW

Product Name	PAB-dependent poly (A)-specific ribonuclease subunit PAN2 (PAN2), partial, Recombinant Protein
Full Product Name	Recombinant Candida glabrata PAB-dependent poly (A)-specific ribonuclease subunit PAN2 (PAN2), partial
Product Gene Name	PAN2 recombinant protein
Product Synonym Gene Name	PAN2; CAGL0H03025g
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	123,992 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 Q6FS70
Species	Candida glabrata (strain 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65) (Yeast) (Torulopsis glabrata)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PAN2 recombinant protein	MBS1436803 is a recombinant protein targeting PAN2. Also known as Recombinant Candida glabrata 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 #	50288989
NCBI GeneID	2888907
NCBI Accession #	XP_446924.1
UniProt Primary Accession #	Q6FS70
UniProt Related Accession #	Q6FS70
GenBank Nucleotide #	XM_446924.1
NCBI Official Full Name	hypothetical protein

NCBI Official Symbol	CAGL0H03025g
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_CANGA
NCBI Protein Information	hypothetical protein
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.
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