Inosine Triphosphate Pyrophosphatase (Snog_09421) (SNOG_09421) Phaeosphaeria Nodorum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Inosine triphosphate pyrophosphatase (SNOG_09421), Recombinant Protein
Full Product Name	Recombinant Phaeosphaeria nodorum Inosine triphosphate pyrophosphatase (SNOG_09421)
Product Gene Name	SNOG_09421 recombinant protein
Product Synonym Names	Inosine triphosphate pyrophosphatase; ITPase; Inosine triphosphatase; EC=3.6.1.19; Non-canonical purine NTP pyrophosphatase; Non-standard purine NTP pyrophosphatase; Nucleoside-triphosphate diphosphatase; Nucleoside-triphosphate pyrophosphatase; NTPase
Sequence	MSPTPAHLNF ITGNKNKLAE VQAILAGVIE LRNENIDLVE IQGSVEDVTT DKARRAAEAI KGPVLVEDTC LCFKAMNDLP GPYIKWFMQS LGAAQMHKLL AGFDDKSAQA VCTFAYCEGP GHEPVLFQGR TDGKLVESRG PTAFGWDSCF EYKGQTYAEM DKSEKNKISH RGKALEKLKE WLAQKVDA
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	20,737 Da
Sequence Positions	1-188aa; full length protein
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 Q0UFP3
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 SNOG_09421 recombinant protein	MBS1388779 is a recombinant protein targeting SNOG_09421. Also known as Recombinant Phaeosphaeria nodorum Inosine triphosphate pyrophosphatase (SNOG_09421). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SNOG_09421 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 SNOG_09421. It may not necessarily be applicable to this product.

NCBI GI #	169612595
NCBI GeneID	5976616
NCBI Accession #	XP_001799715.1

UniProt Primary Accession #	Q0UFP3
UniProt Related Accession #	Q0UFP3
GenBank Nucleotide #	XM_001799663.1
NCBI Official Full Name	hypothetical protein SNOG_09421
NCBI Official Symbol	SNOG_09421
UniProt Protein Name	Inosine triphosphate pyrophosphatase
UniProt Synonym Protein Names	Non-canonical purine NTP pyrophosphatase; Non-standard purine NTP pyrophosphatase; Nucleoside-triphosphate diphosphatase; Nucleoside-triphosphate pyrophosphatase
UniProt Gene Name	SNOG_09421
UniProt Synonym Gene Names	ITPase; Inosine triphosphatase
UniProt Entry Name	ITPA_PHANO
NCBI Protein Information	hypothetical protein
UniProt Comments for SNOG_09421	Pyrophosphatase that hydrolyzes non-canonical purine nucleotides such as inosine triphosphate (ITP), deoxyinosine triphosphate (dITP) or xanthosine 5'-triphosphate (XTP) to their respective monophosphate derivatives. The enzyme does not distinguish between the deoxy- and ribose forms. Probably excludes non-canonical purines from RNA and DNA precursor pools, thus preventing their incorporation into RNA and DNA and avoiding chromosomal lesions.
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