Inosine Triphosphate Pyrophosphatase (Chgg_07793) (CHGG_07793) Chaetomium Globosum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Inosine triphosphate pyrophosphatase (CHGG_07793), Recombinant Protein
Full Product Name	Recombinant Chaetomium globosum Inosine triphosphate pyrophosphatase (CHGG_07793)
Product Gene Name	CHGG_07793 recombinant protein
Product Synonym Gene Name	CHGG_07793
Sequence	MTTPTAARHM VNFITGNTNK LCEVRAILQP AIQVESQTLD LIEIQGTLEE VTLDKCRRAA DLVEGPVLVE DTCLCFNALN GLPGPYIKWF MKSLGHTGLN NLLAAYEDKS AQAVCTFAYS AGPGHEPILF QGITDGKIVP ARGPGDFGWD AIFEYEGQTY AEMDKAAKNK ISHRYRALAK LQEWFAKEMA P
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	21,052 Da
Sequence Positions	1-191, 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 Q2GW61
Species	Chaetomium globosum (strain 6205 / CBS 148.51 / DSM 1962 / NBRC 6347 / NRRL 1970) (Soil fungus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CHGG_07793 recombinant protein	MBS1280546 is a recombinant protein targeting CHGG_07793. Also known as Recombinant Chaetomium globosum Inosine triphosphate pyrophosphatase (CHGG_07793). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CHGG_07793 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 CHGG_07793. It may not necessarily be applicable to this product.

NCBI GI #	116199275
NCBI GeneID	4394335
NCBI Accession #	XP_001225449.1
UniProt Primary Accession #	Q2GW61

UniProt Related Accession #	Q2GW61
GenBank Nucleotide #	XM_001225448.1
NCBI Official Full Name	conserved hypothetical protein
NCBI Official Symbol	CHGG_07793
UniProt Protein Name	Inosine triphosphate pyrophosphatase
UniProt Synonym Protein Names	Non-canonical purine NTP pyrophosphatase
UniProt Gene Name	CHGG_07793
UniProt Synonym Gene Names	ITPase; Inosine triphosphatase; NTPase
NCBI Protein Information	hypothetical protein
UniProt Comments for CHGG_07793	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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