Non-Canonical Purine NTP Phosphatase (yjjX) Escherichia Coli O6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Non-canonical purine NTP phosphatase (yjjX), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6 Non-canonical purine NTP phosphatase (yjjX)
Product Gene Name	yjjX recombinant protein
Product Synonym Gene Name	yjjX
Sequence	MHQVVCATTN PAKIQAILQA FHEIFGEGSC HIASVAVESG VPEQPFGSEE TRAGARNRVA NARRLLPEAD FWVAIEAGID GDSTFSWVVI ENTSQRGEAR SATLPLPAVI LEKVREGEAL GPVMSRYTGI DEIGRKEGAI GVFTAGKLTR TSVYHQAVIL ALSPFHNAVY QPLQA
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	18,810 Da
Sequence Positions	1-175, 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 Q8FA41
Species	Escherichia coli O6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for yjjX recombinant protein	MBS1303925 is a recombinant protein targeting yjjX. Also known as Recombinant Escherichia coli O6 Non-canonical purine NTP phosphatase (yjjX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of yjjX 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 yjjX. It may not necessarily be applicable to this product.

NCBI GI #	485706828
NCBI Accession #	WP_001339518.1
UniProt Primary Accession #	Q8FA41
GenBank Nucleotide #	WP_001339518.1
NCBI Official Full Name	non-canonical purine NTP phosphatase
UniProt Protein Name	Non-canonical purine NTP phosphatase

UniProt Synonym Protein Names	Non-standard purine NTP phosphatase
Protein Family	Non-canonical purine NTP phosphatase
UniProt Gene Name	yjjX
UniProt Synonym Gene Names	NTPase
UniProt Comments for yjjX	Phosphatase that hydrolyzes non-canonical purine nucleotides such as XTP and ITP to their respective diphosphate derivatives. Probably excludes non-canonical purines from DNA precursor pool, thus preventing their incorporation into DNA and avoiding chromosomal lesions.
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