Xanthine Phosphoribosyltransferase (xpt) Bacillus Halodurans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Xanthine phosphoribosyltransferase (xpt), Recombinant Protein
Full Product Name	Recombinant Bacillus halodurans Xanthine phosphoribosyltransferase (xpt)
Product Gene Name	xpt recombinant protein
Product Synonym Gene Name	xpt
Sequence	MESLKQAIRE RGNVLSDTVL KVDSFLNHQV DPKLINEIGQ AFAERFKNEG ITKVLTIESS GIAPSLVVAT HLGVPFIFAR KKKPLTMTDN VYRSQVYSFT KQETNEITVS KDLLHADDRV LIIDDFLANG QAAFGLCEIV EQAGAQVVGF GIVIEKSFQD GRKKLTDKGY RVESLARIQS FKNGTVQFVD EFVTQLSK
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	22,054 Da
Sequence Positions	1-198, Full length
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 Q9KCQ5
Species	Bacillus halodurans (strain BAA-125 / DSM 18197 / FERM 7344 / JCM 9153 / C-125)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for xpt recombinant protein	MBS1355156 is a recombinant protein targeting xpt. Also known as Recombinant Bacillus halodurans Xanthine phosphoribosyltransferase (xpt). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of xpt 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 xpt. It may not necessarily be applicable to this product.

NCBI GI #	499200139
NCBI Accession #	WP_010897679.1
UniProt Primary Accession #	Q9KCQ5
GenBank Nucleotide #	WP_010897679.1
NCBI Official Full Name	xanthine phosphoribosyltransferase
UniProt Protein Name	Xanthine phosphoribosyltransferase

Protein Family	Xylulose 5-phosphate/phosphate translocator
UniProt Gene Name	xpt
UniProt Synonym Gene Names	XPRTase
UniProt Comments for xpt	Converts the preformed base xanthine, a product of nucleic acid breakdown, to xanthosine 5'-monophosphate (XMP), so it can be reused for RNA or DNA synthesis.
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.
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