NAD-Dependent Dihydropyrimidine Dehydrogenase Subunit Pret Homolog (preT) Salmonella Typhi Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD-dependent dihydropyrimidine dehydrogenase subunit PreT homolog (preT), Recombinant Protein
Full Product Name	Recombinant Salmonella typhi NAD-dependent dihydropyrimidine dehydrogenase subunit PreT homolog (preT)
Product Gene Name	preT recombinant protein
Product Synonym Gene Name	preT
Sequence	MPQQNYLDEL TPGFTPLLAI KEASRCLLCH DAPCSQACPA QTDPGKFIRS IYFRNFKGAA ETIRENNALG AVCARVCPTE KLCQRGCTRS GIDKPIDIAR LQRFITDFEQ QTAMQIYQPG SKTRGKVAII GAGPAGLQAS VTLTHLGYDV TIYEKQPQPG GWLRHGIPAF RLPQSVLDQE IARIVEMGVN IKCNCDVGGS LSLAQLKAEY RAVLMTVGMS CGSDLPLFEQ ASHVEIAVDF LQRARQADGD ISVPRSALII GGGDVAMDVA STLKILGCPS VTCVAREELA EFPASEKEFT STQALGVSII DGFTPVAVSG NKVTFHHVRH SGELTLEAEN IILAVGQHAR LDNFAEIKAQ HNIIDTHNYQ TDDPAIFAAG DIVKGDKTVV YAVKTGKEAA QAIHHYLEEA CSC
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	44,594 Da
Sequence Positions	1-413, 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 Q8Z5A6
Species	Salmonella typhi
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for preT recombinant protein	MBS1448906 is a recombinant protein targeting preT. Also known as Recombinant Salmonella typhi NAD-dependent dihydropyrimidine dehydrogenase subunit PreT homolog (preT). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of preT 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 preT. It may not necessarily be applicable to this product.

NCBI GI #	16761128
NCBI GeneID	1248748
NCBI Accession #	NP_456745.1

UniProt Primary Accession #	Q8Z5A6
GenBank Nucleotide #	NC_003198.1
NCBI Official Full Name	oxidoreductase
NCBI Official Symbol	STY2416
UniProt Protein Name	NAD-dependent dihydropyrimidine dehydrogenase subunit PreT homolog
UniProt Synonym Protein Names	Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase
Protein Family	NAD-dependent dihydropyrimidine dehydrogenase
UniProt Gene Name	preT
UniProt Synonym Gene Names	yeiT; DPD
NCBI Protein Information	oxidoreductase
UniProt Comments for preT	Involved in pyrimidine base degradation. Catalyzes physiologically the reduction of uracil to 5,6-dihydrouracil (DHU) by using NADH as a specific cosubstrate. It also catalyzes the reverse reaction and the reduction of thymine to 5,6-dihydrothymine (DHT) ().
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