Pseudouridine-5'-Phosphate Glycosidase (psuG) Brevibacillus Brevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pseudouridine-5'-phosphate glycosidase (psuG), Recombinant Protein
Full Product Name	Recombinant Brevibacillus brevis Pseudouridine-5'-phosphate glycosidase (psuG)
Product Gene Name	psuG recombinant protein
Sequence	MKQYLTFTEE VRHALENNLP VVALETTIIS HGMPYPQNIE MAKEVEQIIR DNGAVPATIG IMDGKIKIGL TDSELEEFAT NKNVAKVSRR DFAYILASGK IGATTVAATM IAAEMAGIHM FATGGIGGVH REGEITWDVS ADLTELAQTD VAVVCAGAKS ILDIGRTLEY LETQGVPVVG YRTDEFPSFF ARKSGFGVDM RIDTPEEVGK MMNTKWDLGL KGGMIIANPV PESDALNHEE IEAVIQKALA EAKENNIAGK QVTPFMLDKV KKLTEGKSLA TNIALVKHNA EVAAKIAVAY QKEANQGK
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	33,275 Da
Sequence Positions	1-308, 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 C0ZIY1
Species	Brevibacillus brevis (strain 47 / JCM 6285 / NBRC 100599)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for psuG recombinant protein	MBS1260799 is a recombinant protein targeting psuG. Also known as Recombinant Brevibacillus brevis Pseudouridine-5'-phosphate glycosidase (psuG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of psuG 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 psuG. It may not necessarily be applicable to this product.

NCBI GI #	501985433
NCBI Accession #	WP_012684122.1
UniProt Primary Accession #	C0ZIY1
GenBank Nucleotide #	WP_012684122.1
NCBI Official Full Name	MULTISPECIES: pseudouridine-5'-phosphate glycosidase

UniProt Protein Name	Pseudouridine-5'-phosphate glycosidase
Protein Family	Pseudouridine-5'-phosphate glycosidase
UniProt Gene Name	psuG
UniProt Synonym Gene Names	PsiMP glycosidase
UniProt Comments for psuG	Catalyzes the reversible cleavage of pseudouridine 5'-phosphate (PsiMP) to ribose 5-phosphate and uracil. Functions biologically in the cleavage direction, as part of a pseudouridine degradation pathway.
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