Ribose-Phosphate Pyrophosphokinase (prs) Synechocystis Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribose-phosphate pyrophosphokinase (prs), Recombinant Protein
Full Product Name	Recombinant Synechocystis sp. Ribose-phosphate pyrophosphokinase (prs)
Product Gene Name	prs recombinant protein
Product Synonym Gene Name	prs
Sequence	MSAVSRIATL TRQSMLSALS DNNRLRLFSG SSNPSLSQEV ARYLGMDIGP MLRKRFADGE LYIQIQESIR GGDVYLIQPC CHPVNDNLME LLIMIDACRR ASARQITAVL PYYGYARADR KTAGRESISA KLVANLITGA GAQRVLAMDL HSAQIQGYFD IPCDHMYGSP VIIDYLKSKQ LTDLVVVSPD VGGVARARAF AKKLNDAPLA IIDKRRQSHN VAEVLNLIGD VDGKTAVLVD DMIDTAGTLS EGSRLLRAQG ARQVYACATH AVFSEPAINR LSGGLFEEVI VTNTIPVPDD HHFPQLTILS VANLIGEAIW RIHEESSVSS MFR
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	36,396 Da
Sequence Positions	1-333, 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 Q55848
Species	Synechocystis sp. (strain PCC 6803 / Kazusa)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prs recombinant protein	MBS1312472 is a recombinant protein targeting prs. Also known as Recombinant Synechocystis sp. Ribose-phosphate pyrophosphokinase (prs). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of prs 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 prs. It may not necessarily be applicable to this product.

NCBI GI #	2833468
NCBI Accession #	Q55848.1
UniProt Primary Accession #	Q55848
NCBI Official Full Name	Ribose-phosphate pyrophosphokinase
UniProt Protein Name	Ribose-phosphate pyrophosphokinase

UniProt Synonym Protein Names	5-phospho-D-ribosyl alpha-1-diphosphate
Protein Family	Ribose-phosphate pyrophosphokinase
UniProt Gene Name	prs
UniProt Synonym Gene Names	RPPK; P-Rib-PP synthase; PRPP synthase; PRPPase
UniProt Comments for prs	Involved in the biosynthesis of the central metabolite phospho-alpha-D-ribosyl-1-pyrophosphate (PRPP) via the transfer of pyrophosphoryl group from ATP to 1-hydroxyl of ribose-5-phosphate (Rib-5-P).
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