Ribose-Phosphate Pyrophosphokinase 2 (prs2) Enterococcus Faecalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribose-phosphate pyrophosphokinase 2 (prs2), Recombinant Protein
Full Product Name	Recombinant Enterococcus faecalis Ribose-phosphate pyrophosphokinase 2 (prs2)
Product Gene Name	prs2 recombinant protein
Product Synonym Gene Name	prs2
Sequence	MTENYQDDTL RIFSLNANRP LAEKIAASVG TELGKSTVRQ FSDGEIQINI EESIRGDHVY IIQATNAPVN DHLMELLILI DALKRASAKT VNVILPYYGY ARQDRTAKPR EPITAKLVAN MLVEAGATRL LTLDLHTVQV QGFFDIPVDN LFTMPLFAHY YRQQALVGEE IVIVSPKNSG VQRARSLSEY LDATLAIVDH EEIDGVRQEG YVIGNVAGKK CILVDDILNT GQTLATAAEV LMKNGAQEVY ACASHGLLSE GAKATLENAP IKEISITDSV YTTADRQPAT LNIISCAELM GEALLRIHEN KPMSPLFRLE PKGE
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	35,591 Da
Sequence Positions	1-324, 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 Q832Z5
Species	Enterococcus faecalis (strain 700802 / V583)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prs2 recombinant protein	MBS1322869 is a recombinant protein targeting prs2. Also known as Recombinant Enterococcus faecalis Ribose-phosphate pyrophosphokinase 2 (prs2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of prs2 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 prs2. It may not necessarily be applicable to this product.

NCBI GI #	29376582
NCBI GeneID	1200945
NCBI Accession #	NP_815736.1
UniProt Primary Accession #	Q832Z5

UniProt Related Accession #	Q832Z5
GenBank Nucleotide #	NC_004668.1
NCBI Official Full Name	ribose-phosphate pyrophosphokinase
NCBI Official Symbol	prsA-1
UniProt Protein Name	Putative ribose-phosphate pyrophosphokinase 1
UniProt Synonym Protein Names	5-phospho-D-ribosyl alpha-1-diphosphate 1
UniProt Gene Name	prs1
UniProt Synonym Gene Names	RPPK 1; P-Rib-PP synthase 1; PRPP synthase 1; PRPPase 1
NCBI Protein Information	ribose-phosphate pyrophosphokinase
UniProt Comments for prs2	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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