Ribose-Phosphate Pyrophosphokinase (prs) Chromobacterium Violaceum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribose-phosphate pyrophosphokinase (prs), Recombinant Protein
Full Product Name	Recombinant Chromobacterium violaceum Ribose-phosphate pyrophosphokinase (prs)
Product Gene Name	prs recombinant protein
Product Synonym Gene Name	prs; prsA; CV_4058
Product Synonym Names	Ribose-phosphate pyrophosphokinase; RPPK; EC=2.7.6.1; Phosphoribosyl pyrophosphate synthase; P-Rib-PP synthase; PRPP synthase
Sequence	MAAYDSLMVF TGTANPELAQ NVVKHLDISL GRADVGKFSD GEVAVELLEN VRGRDVFILQ STCAPTNDNL MEILTMADAL KRASAGRITA AIPYFGYARQ DRRPRSARVP ISAKLVANML TSAGIDRVLT VDLHADQIQG FFDIPVDNVY ATPVLLKDIR AQRFDDLIVV SPDVGGVVRA RAVAKALNTD LAIIDKRRPK ANVAEVMNII GDVSGRTCLI VDDMIDTANT LCKAASALKE RGAERVLAYA THAIFSGQAV DRIKNSDIDM VVVTDTIPLT AAAKACPNIR VASIAGLLAE TLRRINNEES VSYLFNEELV ATGACLP
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	35,195 Da
Sequence Positions	1-327aa; 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 Q7NQS9
Species	Chromobacterium violaceum (strain 12472 / DSM 30191 / JCM 1249 / NBRC 12614 / NCIMB 9131 / 9757)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prs recombinant protein	MBS1356530 is a recombinant protein targeting prs. Also known as Recombinant Chromobacterium violaceum 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 #	34499513
NCBI GeneID	2550095

NCBI Accession #	NP_903728.1
UniProt Primary Accession #	Q7NQS9
UniProt Related Accession #	Q7NQS9
GenBank Nucleotide #	NC_005085.1
NCBI Official Full Name	ribose-phosphate pyrophosphokinase
NCBI Official Symbol	prsA
UniProt Protein Name	Ribose-phosphate pyrophosphokinase
UniProt Synonym Protein Names	Phosphoribosyl pyrophosphate synthase
Protein Family	Ribose-phosphate pyrophosphokinase
UniProt Gene Name	prs
UniProt Synonym Gene Names	RPPK
UniProt Entry Name	KPRS_CHRVO
NCBI Protein Information	ribose-phosphate pyrophosphokinase
UniProt Comments for prs	Involved in the biosynthesis of ribose 1,5-bisphosphate. Catalyzes the transfer of pyrophosphoryl group from ATP to ribose-5-phosphate to yield phosphoribosyl diphosphate (PRPP) and AMP.
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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