

PRPS1, human recombinant protein**Ribose-phosphate pyrophosphokinase 1, ARTS, CMTX5, PPRibP, PRSI, DFN2, DFNX1**
Catalog # PBV11387r**Specification**

PRPS1, human recombinant protein - Product info

Primary Accession	P60891
Concentration	1
Calculated MW	36.9 kDa (338 aa, 1-318 aa + His Tag) KDa

PRPS1, human recombinant protein - Additional Info

Gene ID	5631
Gene Symbol	PRPS1
Other Names	
Ribose-phosphate pyrophosphokinase 1, ARTS, CMTX5, PPRibP, PRSI, DFN2, DFNX1	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity: > 1 Units/ml
Sequence	MGSSHHHHHH SSGLVPRGSH MPNIKIFSGS SHQDLSQKIA DRLGLELGKV VTKKFSNQET CVEIGESVRG EDVYIVQSGC GEINDNLMEL LIMINACKIA SASRVTAVIP CFPYARQDKK DKSRAPISAK LVANMLSVAG ADHIITMDLH ASQIQGFFDI PVDNLYAEPV VLKWIRENIS EWRNCTIVSP DAGGAKRVTS IADRLNVDFV LIHKERRKAN EVDRMVLVGD VKDRVAILVD DMADTCGTIC HAADKLLSAG ATRVYAILTH GIFSGPAISR INNACFEAVV VTNTIPQEDK MKHCSKIQVI DISMILAEAI RRTHNGESVS YLFSHVPL

Target/Specificity

PRPS1

Format

Liquid

Storage

-20°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT and 0.1 M NaCl

PRPS1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PRPS1, human recombinant protein - Images

PRPS1, human recombinant protein - Background

PRPS1, also known as ribose-phosphate pyrophosphokinase 1, is ubiquitously expressed in human tissues. This enzyme catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is necessary for purine metabolism and nucleotide biosynthesis. Recombinant human PRPS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

PRPS1, human recombinant protein - References

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Sonoda T.,et al.J. Biochem. 109:361-364(1991).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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