

PRPS1 recombinant protein

PRPS1, 1-318aa, Human, His tag, E Coli

CATALOG # AAA48593	HOST E Coli	APPLICATIONS SDS-Page
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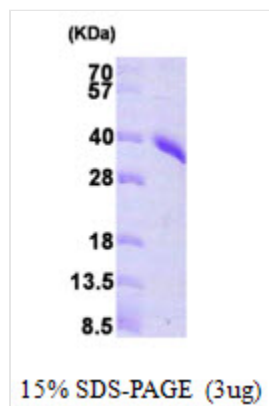
PRODUCT SYNONYMS

PRPS1; 1-318aa; Human; His tag; E Coli; Ribose-phosphate pyrophosphokinase 1; ARTS; CMTX5; PPRibP; PRSI; DFN2; DFNX1; Ribose-phosphate pyrophosphokinase 1 EC 2.7.6.1; KIAA0967; Phosphoribosyl pyrophosphate synthetase I; PRS I; PRS-I; Ribose phosphate pyrophosphokinase I; ; PRPS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 0.1 M NaCl, and 20% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MPNIKIFSGS SHQDLSQKIA DRLGLELGKV VTKKFSNQET CVEIGESVRG EDVYIVQSGC GEINDNLMEL LIMINACKIA SASRVTAVIP CFPYARQDKK DKSRAPISAK LVANMLSVAG ADHIITMDLH ASQIQGFFDI PVDNLYAEPA VLKWIRENIS EWRNCTIVSP DAGGAKRVTS IADRLNVDF LIHKERKKAN EVDRMVLVGD VKDRVAILVD DMADTCGTIC HAADKLLSAG ATRVYAILTH GIFSGPAISR INNACFEAVV VTNTIPQEDK MKHCSKIQVI DISMILAEAI RRTHNGESVS YLFSHVPL
Sequence Length	318
Applicable Applications for PRPS1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for PRPS1 recombinant protein	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.
Product Categories/Family for PRPS1 recombinant protein	Enzymes & Proteases
References	Liu H., et al. (2009) Biochem Biophys Res Commun. 379 (4):1120-5. ; Li S., et al. (2007) Biochem J. 401 (1):39-47.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506127
NCBI GeneID	5631
NCBI Accession #	NP_002755
NCBI GenBank Nucleotide #	NM_002764.3
UniProt Accession #	P60891; P09329; B1ALA8; B2R6T7; B4DNL6; D3DUX6
Molecular Weight	36.9 kDa (338aa), confirmed by MALDI-TOF.
NCBI Official Full Name	ribose-phosphate pyrophosphokinase 1 isoform 1
NCBI Official Synonym Full Names	phosphoribosyl pyrophosphate synthetase 1
NCBI Official Symbol	PRPS1
NCBI Official Synonym Symbols	ARTS; DFN2; PRSI; CMTX5; DFNX1; PRS-I; PPRibP
NCBI Protein Information	ribose-phosphate pyrophosphokinase 1
UniProt Protein Name	Ribose-phosphate pyrophosphokinase 1
UniProt Gene Name	PRPS1
UniProt Synonym Gene Names	PRS-I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.