

Recombinant Human PRPS1, His-tagged

Cat. No. PRPS1-1982H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRPS1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-318aa
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	PRPS1 phosphoribosyl pyrophosphate synthetase 1 [Homo sapiens]
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Official Symbol	PRPS1
Synonyms	PRPS1; phosphoribosyl pyrophosphate synthetase 1; deafness, X linked 2, perceptive, congenital , DFN2; ribose-phosphate pyrophosphokinase 1; CMTX5; DFNX1; PRS I; ribose phosphate diphosphokinase 1; deafness 2, perceptive, congenital; ribose-phosphate diphosphokinase 1; phosphoribosyl pyrophosphate synthase I; deafness, X-linked 2, perceptive, congenital; dJ1070B1.2 (phosphoribosyl pyrophosphate synthetase 1); ARTS; DFN2; PRSI; PRS-I; PPRibP; KIAA0967;
Gene ID	5631
mRNA Refseq	NM_001204402
Protein Refseq	NP_001191331
MIM	311850
UniProt ID	P60891
Chromosome Location	Xq21-q27
Pathway	5-Phosphoribose 1-diphosphate biosynthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Nucleotide Metabolism, organism-specific biosystem; PRPP biosynthesis, ribose 5P =>PRPP, organism-specific biosystem;
Function	ATP binding; kinase activity; magnesium ion binding; nucleotide binding; protein homodimerization activity; ribose phosphate diphosphokinase activity; ribose phosphate diphosphokinase activity; ribose phosphate diphosphokinase activity;

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