

## Recombinant Human PRPS1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRPS1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-318aa
<b>Source</b>	E.coli
<b>Species</b>	Human
<b>Tag</b>	His
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 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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<b>Official Symbol</b>	PRPS1
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">5631</a>
<b>mRNA Refseq</b>	<a href="#">NM_001204402</a>
<b>Protein Refseq</b>	<a href="#">NP_001191331</a>
<b>MIM</b>	<a href="#">311850</a>
<b>UniProt ID</b>	<a href="#">P60891</a>
<b>Chromosome Location</b>	Xq21-q27
<b>Pathway</b>	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;
<b>Function</b>	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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