

Recombinant Human PRPS1 protein, His-SUMO-tagged

Cat. No. PRPS1-3372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRPS1 protein(P60891)(2-318aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-318aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	50.7 kDa
AA Sequence	PNIKIFSGSSHQDLSQKIADRLGLELGKVVTKKFSNQETCVEIGESVRGEDVYIVQSG CGEINDNLMELLIMINACKIASASRVTAVIPCFPYARQDKKDKSRAPISAKLVANMLSV AGADHIITMDLHASQIQGFFDIPVDNLYAEPVCLKWIRENISEWRNCTIVSPDAGGAK RVTSIADRLNVDFALIHKKERKKANEVDRMVLVGDVKDRVAILVDDMADTCGTICHAA DKLLSAGATRVYAILTHGIFSGPAISRINNACFEAVVVTNTIPQEDKMKHCSKIQVIDIS MILAEAIRRTHNGESVSYLFSHVPL
Purity	Greater than 90% as determined by SDS-PAGE.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.
GENE INFORMATION	
Gene Name	PRPS1 phosphoribosyl pyrophosphate synthetase 1 [Homo sapiens]
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