



Recombinant Human Ribose-phosphate pyrophosphokinase 1 (PRPS1)

Product Code	CSB-EP018776HU-B
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P60891
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	PNIKIFSGS SHQDLSQKIA DRLGLELGKV VTKKFSNQET CVEIGESVRG EDVYIVQSGC GEINDNLMEL LIMINACKIA SASRVTAVIP CFPYARQDKK DKSRAPISAK LVANMLSVAG ADHIITMDLH ASQIQGFFDI PVDNLYAEP VLKWIRENIS EWRNCTIVSP DAGGAKRVTS IADRLNVDF A LIHKERKKAN EVD RMVLVGD VKDRVAILVD DMADTCGTIC HAADKLLSAG ATRVYAILTH GIFSGPAISR INNACFEAVV VTNTIPQEDK MKHCSKIQVI DISMILAEAI RRTHNGESVS YLF SHVPL
Source	E.coli
Target Names	PRPS1
Protein Names	Recommended name: Ribose-phosphate pyrophosphokinase 1 EC= 2.7.6.1 Alternative name(s): PPRibP Phosphoribosyl pyrophosphate synthase I Short name= PRS-I
Expression Region	2-318
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes an enzyme that catalyzes the phosphoribosylation of ribose 5-phosphate to 5-phosphoribosyl-1-pyrophosphate, which is necessary for purine metabolism and nucleotide biosynthesis. Defects in this gene are a cause of phosphoribosylpyrophosphate synthetase superactivity, Charcot-Marie-Tooth disease X-linked recessive type 5 and Arts Syndrome.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.