



Recombinant Human Ribose-phosphate pyrophosphokinase 3 (PRPS1L1)

Product Code	CSB-YP018777HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21108
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	PNIKIFSGS SHQDLSQKIA DRLGLELGKV VTKKFSNQET CVEIDESVRG EDVYIVQSGC GEINDSLMEL LIMINACKIA SASRVTAVIP CFPYARQDKK DKSRSPISAK LVANMLSIAG ADHIITMDLH ASQIQGFFDI PVDNLYAAPT VLKWIRENIP EWKNCIIVSP DAGGAKRVTS IADQLNVDF A LIHKERKKAN EVD CIVLVGD V NDRVAILVD DMADTCVTIC LAADKLLSAG ATRVYAILTH GIFSGPAISR INTACFEAVV VTNTIPQDEK MKHC SKIRVI DISMILAEAI RRTHNGESVS YLF SHVPL
Source	Yeast
Target Names	PRPS1L1
Protein Names	Recommended name: Ribose-phosphate pyrophosphokinase 3 EC= 2.7.6.1 Alternative name(s): Phosphoribosyl pyrophosphate synthase 1-like 1 Short name= PRPS1-like 1 Phosphoribosyl pyrophosphate synthase III Short name= PRS-III
Expression Region	2-318
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C 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 intronless gene is specifically expressed in the testis, and encodes a protein that is highly homologous to the two subunits of phosphoribosylpyrophosphate synthetase encoded by human X-linked genes, PRPS1 and PRPS2. These enzymes convert pyrimidine, purine or pyridine bases to the corresponding ribonucleoside monophosphates. In vitro transcription/translation and site-directed mutagenesis studies indicate that translation of this mRNA initiates exclusively at a non-AUG (ACG) codon.
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.