



# Recombinant Human Ribose-phosphate pyrophosphokinase 3 (PRPS1L1)

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| <b>Product Code</b>      | CSB-MP018777HU   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P21108   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | PNIKIFSGS SHQDLSQKIA DRLGLELGKV VTKKFSNQET CVEIDESVRG<br>EDVYIVQSGC GEINDSLMEL LIMINACKIA SASRVTAVIP CFPYARQDKK<br>DKSRSPISAK LVANMLSIAG ADHIITMDLH ASQIQGFFDI PVDNLYAAPT<br>VLKWIRENIP EWKNCIIVSP DAGGAKRVTS IADQLNVDFD LIHKERKKAN<br>EVDICVLVGD VNDRVAILVD DMADTCVTIC LAADKLLSAG ATRVYAILTH<br>GIFSGPAISR INTACFEAVV VTNTIPQDEK MKHCSKIRVI DISMILAEAI<br>RRTHNGESVS YLFSHVPL   |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | PRPS1L1  |
| <b>Protein Names</b>     | Recommended name: Ribose-phosphate pyrophosphokinase 3 EC= 2.7.6.1<br>Alternative name(s): Phosphoribosyl pyrophosphate synthase 1-like 1 Short<br>name= PRPS1-like 1 Phosphoribosyl pyrophosphate synthase III Short name=<br>PRS-III   |
| <b>Expression Region</b> | 2-318  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | This intronless gene is specifically expressed in the testis, and encodes a<br>protein that is highly homologous to the two subunits of<br>phosphoribosylpyrophosphate synthetase encoded by human X-linked genes,<br>PRPS1 and PRPS2. These enzymes convert pyrimidine, purine or pyridine<br>bases to the corresponding ribonucleoside monophosphates. In vitro<br>transcription/translation and site-directed mutagenesis studies indicate that<br>translation of this mRNA initiates exclusively at a non-AUG (ACG) codon. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>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  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .