

## Product datasheet for **TP724596**

### PRPS2 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Ribose-Phosphate Pyrophosphokinase 2/PRPS2 (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Leu318
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of 2umM PB, 15umM NaCl, pH 7.4
Note:	Recombinant Human PRPS2 is produced by E. coli. The target gene encoding Met1-Leu318 is expressed with a 6His tag at the C terminus.
Stability:	12 months from date of despatch
Locus ID:	5634
UniProt ID:	<a href="#">P11908</a>
Summary:	Ribose-Phosphate Pyrophosphokinase 2 (PRPS2) is a phosphoribosyl pyrophosphate synthetase that belongs to the ribose-phosphate pyrophosphokinase family. PRPS2 is a homodimer. The active form could be a hexamer composed of three homodimers. PRPS2 catalyzes the synthesis of phosphoribosyl pyrophosphate (PRPP) that is essential for nucleotide synthesis. PRPS2 catalyzes the synthesis of 5-phosphoribosyl 1-pyrophosphate from ATP and D-ribose 5-phosphate. In addition, PRPS2 plays a central role in the synthesis of purines and pyrimidines. Thus, dysfunction of the enzyme would undermine purine metabolism.



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