

Product datasheet for **TP726909**

PRPS2 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Ribose-Phosphate Pyrophosphokinase 2/PRPS2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Pro2-Leu318
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Ribose-Phosphate Pyrophosphokinase 2 is produced by our Mammalian expression system and the target gene encoding Pro2-Leu318 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	5634
UniProt ID:	P11908
Synonyms:	Ribose-Phosphate Pyrophosphokinase 2; PPRibP; Phosphoribosyl Pyrophosphate Synthase II; PRS-II; PRPS2
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 is probably an hexamer composed of three homodimers. PRPS2 catalyzes the synthesis of phosphoribosylpyrophosphate (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.
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Pentose phosphate pathway, Purine metabolism



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