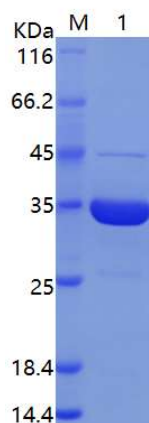


Recombinant Human PRPS2 (C-6His)

Catalog No: BP007(C804)

Description	Recombinant Human Ribose-Phosphate Pyrophosphokinase 2 is produced by our <i>E.coli</i> expression system and the target gene encoding Met1-Leu318 is expressed with a 6His tag at the C-terminus.
Source	<i>E.coli</i>
Alternative name	Ribose-Phosphate Pyrophosphokinase 2; PPRibP; Phosphoribosyl Pyrophosphate Synthase II; PRS-II; PRPS2
Accession No.	P11908
Predicted Molecular Weight	35.6KDa
Apparent Molecular Weight	35-45KDa under reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 EU/μg)
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Background	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 a 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.

SDS-PAGE



1. Reducing sample
Human PRPS2 stained by Coomassie Blue,
showing >95% purity under reducing condition.