

32-9035: Recombinant Human Ribose-Phosphate Pyrophosphokinase 2/PRPS2 (C-His)

Alternative Name : Ribose-Phosphate Pyrophosphokinase 2; PPRibP; Phosphoribosyl Pyrophosphate Synthase II; PRS-II; PRPS2

Description

Source : E. coli;

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.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 2µM PB, 15µM NaCl, pH 7.4

Amino Acid : Recombinant Human PRPS2 is produced by E. coli. The target gene encoding Met1-Leu318 is expressed with a 6His tag at the C-terminus.