

**Recombinant Human Ribose-Phosphate Pyrophosphokinase 2/PRPS2 Protein(C-6His)**

**Cat.NO.: TP05503**

3th Edition

**Synonyms:**Ribose-Phosphate Pyrophosphokinase 2; PPRibP; Phosphoribosyl Pyrophosphate Synthase II; PRS-II; PRPS2

**Description:**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.

**Form:**PBS

**Molecular Weight:**35.8 kDa

**Sequences:**Pro2-Leu318

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.