

**PRPS2,1-321aa, Human, His tag, E.coli**

**Cat.NO.: TP03545**

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3th Edition

**Synonyms:**Ribose-phosphate pyrophosphokinase 2 isoform 1 , PRSII

**Description:**PRPS2 also known as ribose-phosphate pyrophosphokinase 2 isoform 1. The Protein belongs to the ribose-phosphate pyrophosphokinase family. The Protein catalyzes the synthesis of 5-phosphoribosyl 1-pyrophosphate from ATP and D-ribose 5-phosphate. Alternate splicing results in multiple transcript variants. Recombinant human PRPS2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

**Molecular Weight:**37.4kDa (344aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMNPVLFSGSSHQDLSQRVADRLGLELGKVVTKKFSNQETSVEIGESVRGE  
DVYIIQSGCGEINDNLMELLIMINACKIASSSRVTAVIPCFPYARQDKKDKVGESRAPISAKLVANMLSVAGADHIITMD  
LHASQIQGFFDIPVDNLYAEPVQLWIRENIAEWKNCIIVSPDAGGAKRVTSIADRLNVEFALIHKKERKKANEVDRMV  
LVGDVKDRVAILVDDMADTCGTICHAADKLLSAGATKVYAILTHGIFSGPAISRINNAAFEAVVVTNTIPQEDKMKHCT  
KIQVIDISMILAEAIRRTHNGESVSYLFSHVPL

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Absorbance at 280nm )

**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.