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Datasheet for ABIN7318993 PRPS2 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PRPS2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRPS2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PRPS2 Protein (His Tag)
Sequence:	Pro2-Leu318
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PRPS2
Alternative Name:	PRPS2 (PRPS2 Products)
Background:	Background: Ribose-Phosphate Pyrophosphokinase 2 (PRPS2) is a phosphoribosyl pyrophosphate synthetase that belongs to the ribose-phosphate pyrophosphokinase family.

Target Details

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.

Synonym: Ribose-Phosphate Pyrophosphokinase 2, PPRibP, Phosphoribosyl Pyrophosphate Synthase II, PRS-II, PRPS2

Molecular Weight: 35.8 kDa

UniProt: [P11908](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.