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# Product datasheet for AR51930PU-N

## PRPS2 (1-321, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | PRPS2 (1-321, His-tag) human recombinant protein, 0.5 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSMPNIVLF SGSSHQDLSQ RVADRLGLEL GKVVTKKFSN QETSVEIGES VRGEDVYIIQ SGCGEINDNL MELLIMINAC KIASSSRVTA VIPCFPYARQ DKKDKVGESR APISAKLVAN MLSVAGADHI ITMDLHASQI QGFFDIPVDN LYAEPAVLQW IRENIAEWKN CIIVSPDAGG AKRVTSIADR LNVEFALIHK ERKKANEVDR MVLVGDVKDR VAILVDDMAD TCGTICHAAD KLLSAGATKV YAILTHGIFS GPAISRINNA AFEAVVVTNT IPQEDKMKHC TKIQVIDISM ILAEAIRRTH NGESVSYLFS HVPL |
| **Tag:** | His-tag |
| **Predicted MW:** | 37.4 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant human PRPS2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_001034180 |
| **Locus ID:** | 5634 |
| **UniProt ID:** | P11908, A0A140VK41 |
| **Cytogenetics:** | Xp22.2 |
| **Synonyms:** | PRSII |

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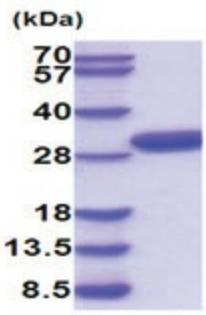
**Summary:** This gene encodes a phosphoribosyl pyrophosphate synthetase that plays a central role in the synthesis of purines and pyrimidines. The encoded protein catalyzes the synthesis of 5-phosphoribosyl 1-pyrophosphate from ATP and D-ribose 5-phosphate. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Pentose phosphate pathway, Purine metabolism

## Product images:




15% SDS-PAGE (3ug)