

## Product datasheet for TP319227

### PRPS2 (NM\_001039091) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human phosphoribosyl pyrophosphate synthetase 2 (PRPS2), transcript variant 1, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC219227 representing NM\_001039091  
Red=Cloning site Green=Tags(s)

MPNIVLFSGSSHQDLSQRVADRLGLELGKVTKKFSNQETSVEIGESVRGEDVYIIQSGCGEINDNLMEL  
LIMINACKIASSSRVTAVIPCFPYARQDKKDKVGESRAPISAKLVANMLSVAGADHIITMDLHASQIQGF  
FDIPVDNLYAEPAVLQWIRENIAEWKNCIIVSPDAGGAKRVTSIADRLNVEFALIHKERKKANEVDRMVL  
VGDVKDRVAILVDDMADTCGTICHAADKLLSAGATKVYAILTHGIFSGPAISRINNAAFEAVVTNTIPQ  
EDKMKHCTKIQVIDISMILAEAIRRTHNGESVSYLFSHVPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 34.9 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001034180](#)

**Locus ID:** 5634



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UniProt ID: [P11908](#), [A0A140VK41](#)

RefSeq Size: 2518

Cytogenetics: Xp22.2

RefSeq ORF: 963

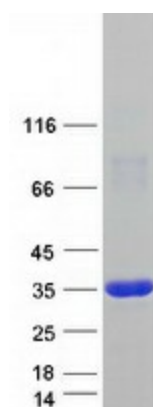
Synonyms: PRSII

**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:



Coomassie blue staining of purified PRPS2 protein (Cat# TP319227). The protein was produced from HEK293T cells transfected with PRPS2 cDNA clone (Cat# [RC219227]) using MegaTran 2.0 (Cat# [TT210002]).