

Product datasheet for **TP319227M**

PRPS2 (NM_001039091) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human phosphoribosyl pyrophosphate synthetase 2 (PRPS2), transcript variant 1, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC219227 representing NM_001039091 Red =Cloning site Green =Tags(s) |
| | <p>MPNIVLFSGSSHQDLSQRVADRLGLELGKVTKKFSNQETSVEIGESVRGEDVYIIQSGCGEINDNLMEL LIMINACKIASSSRVTAVIPCFPYARQDKKDKVGESRAPISAKLVANMLSVAGADHIITMDLHASQIQGF FDIPVDNLYAEPAVLQWIRENIAEWKNCIIVSPDAGGAKRVTSIADRLNVEFALIHKERKKANEVDRMVL VGDVKDRVAILVDDMADTCGTICHAADKLLSAGATKVYAILTHGIFSGPAISRINNAAFEAVVTNTIPQ EDKMKHCTKIQVIDISMILAEAIRRTHNGESVSYLFSHVPL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| 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

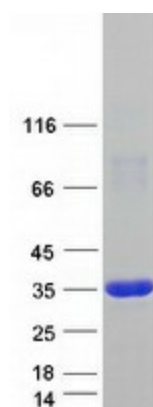
Synonyms: PRSII

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]).