

Product datasheet for **TP319227L**

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, 1 mg

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



[View online »](#)

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

RefSeq Size: 2518

Cytogenetics: Xp22.2

RefSeq ORF: 963

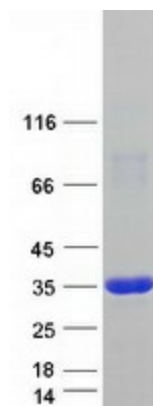
Synonyms: PRSII

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]).