

## Recombinant human PRPSAP2, His-tagged

**Cat. No.** PRPSAP2-2461H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant human PRPSAP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>Description</b>      | PRPSAP2 is a protein that associates with the enzyme phosphoribosylpyrophosphate synthetase (PRS). PRS catalyzes the formation of phosphoribosylpyrophosphate which is a substrate for synthesis of purine and pyrimidine nucleotides, histidine, tryptophan and NAD. PRS exists as a complex with two catalytic subunits and two associated subunits. This gene encodes a non-catalytic associated subunit of PRS. Alternate splicing results in multiple transcript variants. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT   |
| <b>Molecular Mass</b>   | 43.3kDa (392aa), confirmed by MALDI-TOF   |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMFCVTPP ELETKMNITK GGLVLFSA<br>NSSCMELSKK IAERLGVEMG KVQVYQEPNR ETRVQIQESVRGKDVFIQ<br>VSKDVNTTIM ELLIMVYACK TSCAKSIIGV IPYFPYSKQC KMRKRGSIVS<br>KLLASMMCKA GLTHLITMDL HQKEIQGFFN IPVDNLRASP FLLQYIQEEI<br>PDYRNAVIVA KSPASAKRAQ SFAERLRLGI AVIHGEAQDA ESDLVDGRHS<br>PPMVRVAAI HPSLEIPMLIPKEKPPITVV GDVGGRIAI VDDIIDDVDS  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FLAAAETLKE RGAYKIFVMA THGLLSSDAP RRIEESAIDE VVVTNTIPHE  
VQKLQCPKIK TVDISMILSE AIRRIHNGES MSYLFRNIGL DD

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [PRPSAP2 phosphoribosyl pyrophosphate synthetase-associated protein 2 \[ Homo sapiens \]](#)

**Official Symbol** PRPSAP2

**Synonyms** PRPSAP2; phosphoribosyl pyrophosphate synthetase-associated protein 2; phosphoribosyl pyrophosphate synthase-associated protein 2; PAP41; PRPP synthase-associated protein 2; 41 kDa phosphoribosypyrophosphate synthetase-associated protein; MGC117304; MGC126719; MGC126721;

**Gene ID** [5636](#)

**mRNA Refseq** [NM\\_001243936](#)

**Protein Refseq** [NP\\_001230865](#)

**MIM** [603762](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



|                            |  |
|----------------------------|--|
| <b>UniProt ID</b>          | O60256   |
| <b>Chromosome Location</b> | 17p12-p11.2  |
| <b>Function</b>            | enzyme inhibitor activity; magnesium ion binding; ribose phosphate diphosphokinase activity; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA