

Recombinant human PRPSAP2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human PRPSAP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	43.3kDa (392aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMFCVTPP ELETKMNITK GGLVLFSANS NSSCMELSKK IAERLGVEMG KVQVYQEPNR ETRVQIQESVRGKDVFIQT VSKDVNTTIM ELLIMVYACK TSCAKSIIGV IPYFPYSKQC KMRKRGSIVS KLLASMMCKA GLTHLITMDL HQKEIQGFFN IPVDNLRASP FLLQYIQEEI PDYRNAVIVA KSPASAKRAQ SFAERLRLGI AVIHGEAQDA ESDLVDGRHS PPMVRSVAAI HPSLEIPMLIPKEKPPITVV GDVGGRIAI VDDIIDDVDS

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	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

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

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