Recombinant human PRPSAP2 protein

Catalog Number: ATGP2461

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-369aa

UniProt No.
O60256

NCBI Accession No.
NP_002758

Alternative Names
phosphoribosyl pyrophosphate synthetase-associated protein 2, PAP41

PRODUCT SPECIFICATION

Molecular Weight
43.3 kDa (392aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human PRPSAP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

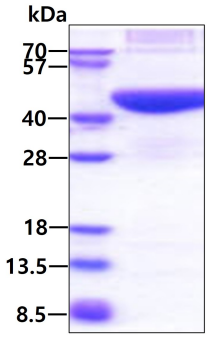
<MGSSHHHHHH SSGLVPRGSH MGS>MFCVTPP ELETKMNITK GGLVLFSANS NSSCMELSKK IAERLGVEMG KVQVYQEPNR ETRVQIQESV RGKDVFIIQT VSKDVNTTIM ELLIMVYACK TSCAKSIIGV IPYFPYSKQC KMRKRGSIVS KLLASMMCKA GLTHLITMDL HQKEIQGFFN IPVDNLRASP FLLQYIQEEI PDYRNAVIVA KSPASAKRAQ SFAERLRLGI AVIHGEAQDA ESDLVDGRHS PPMVRSVAAI HPSLEIPMLI PKEKPPITVV GDVGGRIAII VDDIIDDVDS FLAAAETLKE RGAYKIFVMA THGLLSSDAP RRIEESAIDE VVVTNTIPHE VQKLQCPKIK TVDISMILSE AIRRIHNGES MSYLFRNIGL DD

General References

Katashima,R., et al. (1998) Biochim. Biophys. Acta 1396 (3), 245-250

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.