

PRPSAP2, 1-369aa, Human, His tag, E.coli

Cat.NO.: TP03546

3th Edition

Synonyms:phosphoribosyl pyrophosphate synthetase-associated protein 2, PAP41

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.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMFCVTPPELETKMNITKGGLVLFSA NSNSSCMELSKKIAERLGVEMGKVQV
YQEPNRETRVQIQESVRGKDVFIQTVSKDVNTTIMELLIMVYACKTSCAKSIIIGVIPYFPYKQCKMRKRGSIVSKLL
ASMMCKAGLTHLITMDLHQKEIQGFFNIPVDNLRASPFLQYIQEEIPDYRNAVIVAKSPASAKRAQSFAERLRLGI
AVIHGEAQDAESDLVDGRHSPPMVRSVAAIHPSLEIPMLIPKEKPPITVVGDVGGRIAIIVDDIIDDVDSFLAAAETLKERG
AYKIFVMATHGLLSSDAPRRIEESAIDEVVVNTIPHEVQKLQCPKIKTVDISMILSEAIRRIHNGESMSYLFNIGLDD

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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