
Product Data Sheet

Product Name: PRPSAP2 Human
 Cat. No.: GP24232
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PAP41; Phosphoribosyl pyrophosphate synthase-associated protein 2; PRPP synthase-associated protein 2; 41 kDa phosphoribosypyrophosphate synthetase-associated protein; PRPSAP2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMFCVTPP ELETKMNITK GGLVLFSANS NSSCMELSKK IAERLGVEMG KVQVYQEPNR ETRVQIQESV RGKDVFIIQT VSKDVNTTIM ELLIMVYACK TSCAKSIIGV IPYFPYSKQC KMRKRGSIVS KLLASMMCKA GLTHLITMDL HQKEIQGFFN IPVDNLRASP FLLQYIQEEI PDYRNAVIVA KSPASAKRAQ SFAERLRLGI AVIHGEAQDA ESDLVDGRHS PPMVRSVA AI HPSLEIPMLI PKEKPPITVV GDVGGRIAI VDDIIDDVDS FLAAAETLKE RGAYKIFVMA THGLLSSDAP RRIEESAIDE VVVTNTIPHE VQKLQCPKIK TVDISMILSE AIRRIHNGES MSYLFRNIGL DD.		
Formulation	The PRPSAP2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Phosphoribosyl Pyrophosphate Synthetase-Associated Protein 2 (PRPSAP2) is a protein which relates with the enzyme phosphoribosylpyrophosphate synthetase (PRS). PRS catalyzes the formation of phosphoribosylpyrophosphate which is a substrate for synthesis of purine, pyrimidine, histidine, tryptophan and NAD. PRS is a complex with 2 catalytic subunits and 2 associated subunits. PRPSAP2 encodes a non-catalytic associated subunit of PRS.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PRPSAP2 Human Recombinant produced in E. coli is a single polypeptide chain containing 392 amino acids (1-369) and having a molecular mass of 43.3kDa. PRPSAP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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