
Product Data Sheet

Product Name: SNUPN Human
 Cat. No.: GP24650
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	KPNBL; RNUT1; Snurportin1; SPN1; RNA U transporter 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEELSQALAS SFSVSQDLNS TAAPHPRLSQ YKSKYSSLEQ SERRRRLLEL QKSKRLDYVN HARRLAEDDW TGMEESEENK KDDEEMDIDT VKKLPKHYAN QLMLSEWLID VPSDLGQEWI VVVCVPGKRA LIVASRGSTS AYTSGGYCVN RFSSLLPGGN RRNSTAKDYT ILDCIYNEVN QTYVLDVMC WRGHPFYDCQ TDFRFYWMHS KLPEEEGLGE KTKLNPFKFV GLKNFPCTPE SLCDVLSMDF PFEVDGLLFY HKQTHYSPGS TPLVGWLRPY MVSDVLGVAV PAGPLTTKPD YAGHQLQQIM EHKKSQKEGM KEKLTHKASE NGHYELEHLS TPKLKGSSHS PDHPGCLMEN.		
Formulation	SNUPN Human solution containing 20mM Tris pH-8, 2mM DTT, 0.1M NaCl, & 10% glycerol.		

Introduction

SNUPN is a nuclear import adaptor protein which is part of the Snurportin family. SNUPN is localized to the cytoplasm and nucleus and contains an N-terminal IBB domain and a trimethylguanosine (m³G)-cap binding domain. SNUPN binds specifically the terminal 2,2,7-m³G-cap at the 5' end of U snRNPs and is involved in transport of U snRNPs into the nucleus through an association with Importin α .

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

Background

SNUPN Recombinant Human produced in E. Coli is a single, non-glycosylated polypeptide

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

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chain containing 380 amino acids (1-360 a.a.) and having a molecular mass of 43.3 kDa. The SNUPN is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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