

Recombinant Human Snurportin 1, His-tagged

Cat. No. SNUPN-2746H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Snurportin-1 protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW =43.3 (380aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	SNUPN, also known as KPNBL or RNUT1, is a nuclear import adaptor protein belonging to the Snurportin family. Localizing to the cytoplasm and nucleus, Snurportin-1 contains an N-terminal IBB domain and a trimethylguanosine (m3G)-cap binding domain. It specifically binds the terminal 2,2,7-m3G-cap at the 5' end of U snRNPs and functions to transport U snRNPs into the nucleus via an association with Importin β .
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MEELSQALAS SFSVSQDLNS TAAPHPRLSQ YKSKYSSLEQ SERRRRLEL QKSKRLDYVN HARRLAEDDW TGMESSEENK KDDEEMDIDT VKKLPKHYAN QLMLSEWLID VPSDLGQEWI VVCPVGKRA LIVASRGSTS AYTKSGYCVN RFSSLLPGGN RRNSTAKDYT ILDCIYNEVN QTYYYLDVMC WRGHPFYDCQ TDFRFYWMHS KLPEEEGLGE KTKLNPFKFV GLKNFPCTPE SLCDVLSMDF PFEVDGLLFY HKQTHYSPGS TPLVGWLRPY MVSDVLGVAV PAGPLTTKPD YAGHQLQQIM EHKKSQKEGM KEKLTHKASE NGHYELEHLS TPKLKGSSHS PDHPGCLMEN

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Purity	> 90% by SDS – PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Concentration	1 mg/ml (determined by Bradford assay).
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.

GENE INFORMATION

Gene Name	SNUPN snurportin 1 [Homo sapiens]
Synonyms	SNUPN; snurportin 1; KPNBL; RNUT1; Snurportin1; snurportin-1; RNA U transporter 1; RNA, U transporter 1; RNA U transporter 1; SPN1
Gene ID	10073
mRNA Refseq	NM_001042581
Protein Refseq	NP_001036046
MIM	607902
UniProt ID	O95149
Chromosome Location	15q24.2
Function	RNA cap binding; protein transporter activity

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