

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 *E.coli* 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 MEELSQLAS SFSVSQDLNS TAAPHPRLSQ
 YKSKYSSLEQ SERRRRLLEL QKSKRLDYVN HARRLAEDDW TGMESSEENK
 KDDEEMDIDT VKKLPKHAN QLMLSEWLID VPSDLGQEWI VVCPVKGRA
 LIVASRGSTS AYTKSGYCVN RFSSLLPGGN RRNSTAKDYT ILDCIYNEVN
 QTYVYLDVMC WRGHPFYDCQ TDFRFYWMHS KLPEEEGLGE KTKLNPFKRV
 GLKNFPCTPE SLCDVLSMDF PFEVDGLLFY HKQTHYSPGS TPLVGWLRPY
 MVSDVLGVAV PAGPLTTKPD YAGHQLQQIM EHKKSQKEGM KEKLTHKASE
 NGHYLEHLS TPKLKGSSHS PDHPGCLMEN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

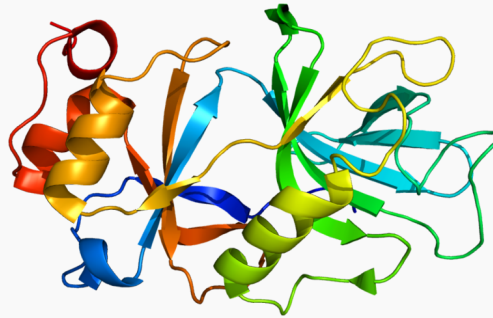
Gene Name	SNUPN snurportin 1 [Homo sapiens]
Synonyms	SNUPN; snurportin 1; KPBL; RNUT1; Snurportin1; snurportin-1; RNA U transporter 1; RNA, U transporter 1; RNA U transporter 1; SPN1
Gene ID	10073
mRNA Refseq	NM_001042581
Protein Refseq	NP_001036046
MIM	607902
UniProt ID	O95149
Chromosome Location	15q24.2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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1xk5.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA