

# Recombinant Human SNUPN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SNUPN-5725H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

SNUPN MS Standard C13 and N15-labeled recombinant protein (NP\_001036046) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

The nuclear import of the spliceosomal snRNPs U1, U2, U4 and U5, is dependent on the presence of a complex nuclear localization signal. The latter is composed of the 5'-2,2,7-terminal trimethylguanosine (m3G) cap structure of the U snRNA and the Sm core domain. The protein encoded by this gene interacts specifically with m3G-cap and functions as an snRNP-specific nuclear import receptor. Alternatively spliced transcript variants encoding the same protein have been identified for this gene.

### Molecular Mass

41.1 kDa

### AA Sequence

MEELSQLASSFSVSQDLNSTAAPHRLSQQYKSKYSSLEQSERRRRLLELQKSKRL  
 DYVNHARRLAEDDWTGMESEEEENKKDDEEMDIDTVKKLPKHANQLMLSEWLIDVP  
 SDLGQEWIVVCPVVGKRALIVASRGSTSAYTKSGYCVNRFSSLLPGGNRRNSTAKD  
 YTILDCIYNEVNQTYVLDVMCWRGHPFYDCQTDFFRYWMHSKLP EEEGLGEKTKL  
 NPFKFVGLKNFPCTPESLCDVLSMDFPFEVDGLLFYHKQTHYSPGSTPLVGWLRPY  
 MVSDVLGVAVPAGPLTTKPDYAGHQLQQIMEHKKSQKEGMKEKLTHKASENGHYE  
 LEHLSTPKLKGSSHSPDHPGCLMENTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

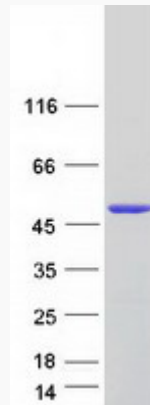
<b>Gene Name</b>	SNUPN snurportin 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SNUPN
<b>Synonyms</b>	SNUPN; snurportin 1; RNA, U transporter 1, RNUT1; snurportin-1; SNURPORTIN 1; Snurportin1; RNA U transporter 1; RNA, U transporter 1; KPNBL; RNUT1;
<b>Gene ID</b>	10073
<b>mRNA Refseq</b>	NM_001042581
<b>Protein Refseq</b>	NP_001036046
<b>MIM</b>	607902
<b>UniProt ID</b>	O95149

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**SDS-PAGE**



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