

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

Cat. No. SNUPN-5084H Lot. No. (See product label)

SPECIFICATION

Product Overview

SNUPN MS Standard C13 and N15-labeled recombinant protein (NP_001036053) 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
 NPFKFVGLKNFPCTPESLCDVLSMDFPFV DGLLFYHKQTHYSPGSTPLVGWLRPY
 MVSDVLGVAVPAGPLTTKPDYAGHQLQQIMEHKKSQKEGMKEKLTHKASENGHYE
 LEHLSTPKLKGSSHSPDHPGCLMENTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

GENE INFORMATION

Gene Name	SNUPN snurportin 1 [Homo sapiens (human)]
Official Symbol	SNUPN
Synonyms	SNUPN; snurportin 1; RNA, U transporter 1, RNUT1; snurportin-1; SNURPORTIN 1; Snurportin1; RNA U transporter 1; RNA, U transporter 1; KPNBL; RNUT1;
Gene ID	10073
mRNA Refseq	NM_001042588
Protein Refseq	NP_001036053
MIM	607902
UniProt ID	O95149

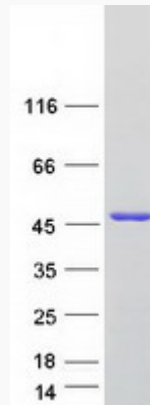
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SDS-PAGE



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