

Recombinant Human SNUPN, His-tagged

Cat. No. SNUPN-30607TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SNURPORTIN1 with N-terminal His tag; 380aa, 43.3 kDa.
Species	Human
Source	E.coli
ProteinLength	360 amino acids
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.
Conjugation	HIS
Molecular Weight	43.300kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.24% Tris, 0.03% DTT, 0.58% Sodium chloride, 10% Glycerol

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Storage	Please see Notes section
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMEELSQALASSFSVSQDLNS TAAPHPRLSQYKSKY SSLEQSERRRRLLELQKSKRLDYVN HARRLAEDDWTGMESEEEENKKDDEEMDIDT VKKLPKHYAN QLMLSEWLIDVPSDLGQEWIVVCPVGKRALIVASRGSTS AYTKSG YCVNRFSSLLPGGNRRNSTAKDYTILDCIYNEVN QTYVLDVMCWRGHPFYDCQT DFRFYWMHSKLPEEEEGLGE KTKLNPFK FVGLKNFPCTPESLCDVLSMDFPFEVDGL LFY HKQTHYSPGSTPLVGWLRPYMVSDVLGVAVPAGPLTTKPD YAGHQLQQIMEH KKSQKEGMKEKLTHKASENGHYELEHLS TPKLKGSSHSPDHPGCLMEN
Sequence Similarities	Belongs to the snurportin family. Contains 1 IBB domain.
GENE INFORMATION	
Gene Name	SNUPN snurportin 1 [Homo sapiens]
Official Symbol	SNUPN
Synonyms	SNUPN; snurportin 1; RNA, U transporter 1 , RNUT1; snurportin-1; SNURPORTIN 1; Snurportin1;
Gene ID	10073
mRNA Refseq	NM_001042581
Protein Refseq	NP_001036046
MIM	607902
Uniprot ID	O95149

Chromosome Location	15q24.2
Pathway	Metabolism, organism-specific biosystem; Metabolism of RNA, organism-specific biosystem; Metabolism of non-coding RNA, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	RNA cap binding; protein transporter activity;

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