

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	<p>MGSSHHHHHSSGLVPRGSHMEELSQUALASSFSVSQDLNS TAAPHPRLSQQYKSKY SSLEQSERRRRLLELQKSKRLDYVN HARRLAEDDWTGMESEEEENKKDDEEMDIDT VKKLPKHYAN QLMLSEWLIDVPSDLGQEWIVVCPVVGKRALIVASRGSTS AYTKSG YCVNRFSSLLPGGNRRNSTAKDYTILDCIYNEVN QTYVLDVMCWRGHPFYDCQT DFRFYWMHSKLPEEEEGLGE KTKLNPFKVFVGLKNFPCTPESLCDVLSMDFFPEVDGL LFY HKQTHYSPGSTPLVGWLRPYMVSDVLGVAVPAGPLTTKPD YAGHQLQQIMEH KKSQKEGMKEKLTHKASENGHYELEHLS TPKLKGSSHSPDHPGCLMEN</p>
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

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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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