

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

Cat. No. SNRPN-3253H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SNRPN MS Standard C13 and N15-labeled recombinant protein (NP_073716) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is located within the Prader-Willi Syndrome critical region on chromosome 15 and is imprinted and expressed from the paternal allele. It encodes a component of the small nuclear ribonucleoprotein complex, which functions in pre-mRNA processing and may contribute to tissue-specific alternative splicing. Alternative promoter use and alternative splicing result in a multitude of transcript variants encoding the same protein. Transcript variants that initiate at the CpG island-associated imprinting center may be bicistronic and also encode the SNRPN upstream reading frame protein (SNURF) from an upstream open reading frame. In addition, long spliced transcripts for small nucleolar RNA host gene 14 (SNHG14) may originate from the promoters at this locus and share exons with this gene. Alterations in this region are associated with parental imprint switch failure, which may cause Angelman syndrome or Prader-Willi syndrome.
Molecular Mass	24.6 kDa
AA Sequence	MTVGKSSKMLQHIDYRMRCILQDGRIFIGTFKAFDKHMNLILCDCDEFKRIKPKNAKQ

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PEREEKRVLGLVLLRGENLVSMTEGPPPKDTGIARVPLAGAAGGPGVGRAAGRGV
 PAGVPIQAPAGLAGPVRGVGGPSQQVMTPQGRGTAAAAVAATASIAGAPTQYP
 PGRGTPPPPVGRATPPPGIMAPPPGMRPPMGPPIGLPPARGTPIGMPPPGMRPPP
 PGIRGPPPPGMRPPRPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SNRPN small nuclear ribonucleoprotein polypeptide N [Homo sapiens (human)]

Official Symbol SNRPN

Synonyms SNRPN; small nuclear ribonucleoprotein polypeptide N; Prader Willi syndrome chromosome region, PWCR; small nuclear ribonucleoprotein-associated protein N; HCERN3; RT LI; SM protein N; SM D; small nuclear ribonucleoprotein N; SMN; SNRNP N; SNURF SNRPN; tissue specific splicing protein; sm protein D; tissue-specific splicing protein; tissue-specific-splicing protein; PWCR; SM-D; sm-N; RT-LI; SNRNP-N; SNURF-SNRPN; FLJ33569; FLJ36996; FLJ39265; MGC29886; DKFZp762N022; DKFZp686C0927; DKFZp761I1912; DKFZp686M12165;

Gene ID 6638

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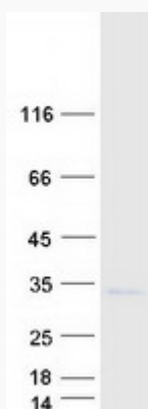
mRNA Refseq NM_022805

Protein Refseq NP_073716

MIM 182279

UniProt ID P63162

SDS-PAGE



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