Recombinant Human SNRPN cell lysate

Cat. No. SNRPN-1658HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	This gene encodes a highly basic protein localized to the nucleus. The evolutionarily constrained open reading frame is found on a bicistronic transcript which has a downstream ORF encoding the small nuclear ribonucleoprotein polypeptide N. The upstream coding region utilizes the first three exons of the transcript, a region that has been identified as an imprinting center. Multiple transcription initiation sites have been identified and extensive alternative splicing occurs in the 5 untranslated region but the full-length nature of these transcripts has not been determined. An alternate exon has been identified that substitutes for exon 4 and leads to a truncated, monocistronic transcript. Alternative splicing or deletion caused by a translocation event in the 5 UTR or coding region of this gene leads to Angelman syndrome or Prader-Willi syndrome due to parental imprint switch failure. The function of this protein is not yet known.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SNRPN small nuclear ribonucleoprotein polypeptide N [Homo sapiens]

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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
mRNA Refseq	NM_003097
Protein Refseq	NP_003088
MIM	182279
UniProt ID	P63162
Chromosome Location	15q12
Pathway	mRNA processing, organism-specific biosystem;
Function	RNA binding; protein binding;

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