9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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SNURF Human

SNRPN Upstream Reading Frame Human Recombinant
RCP2181

Product Overview

Name	SNURF Human
Description	
SNRPN Upstream Reading Frame Human Recombinant	
Accession (Primary)	Q9Y675
Synonyms	
SNRPN Upstream Reading Frame Protein.	
Introduction	
SNURF is an extremely basic protein restricted to the nucleus. The evolutionarily reserved open reading frame is located on a bicistronic transcript which has a downstream ORF encoding the small nuclear ribonucleoprotein polypeptide N. The first three exons of the transcript are exploited by the upstream coding region which is known as an imprinting center. The full-length nature of these transcripts is yet to be determined but multiple transcription initiation sites have been identified and large scale alternative splicing takes place in the 5' untranslated region. An alternate exon which substitutes for exon 4 and leads to a truncated, monocistronic transcript was identified. Deletion or alternative splicing produced by a translocation event in the 5' UTR or coding region of this gene results in Prader-Willi syndrome or Angelman syndrome because of parental imprint switch failure.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The SNURF solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 40% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MERARDR LHLRRTTEQH VPEVEVQVKR RRTASLSNQE CQLYPRRSQQ	

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QQVPVVDFQA ELRQAFLAET PRGG

Precautions

SNURF Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y675)