Recombinant Human SNRPN upstream reading frame, His-tagged

Cat. No. SNURF-431H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SNURF, 1-71aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-71 a.a.
Description	SNURF is 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. Recombinant human SNURF protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT.
Molecular Mass	10.8 kDa (94aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMERARDR LHLRRTTEQH VPEVEVQVKR RRTASLSNQE CQLYPRRSQQ QQVPVVDFQA ELRQAFLAET PRGG
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SNURF?SNRPN upstream reading frame [?Homo sapiens?(human)]
Official Symbol	SNURF
Synonyms	SNURF; SNRPN upstream reading frame; SNRPN upstream reading frame protein
Gene ID	8926
mRNA Refseq	NM_005678
Protein Refseq	NP_005669
UniProt ID	Q9Y675

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Chromosome Location	15q12
Pathway	Coregulation of Androgen receptor activity; Gastric cancer network 2; mRNA processing
Function	molecular_function

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