

# Product information



## SNURF, 1-71aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2528

**Full name:** SNRPN upstream reading frame protein

**NCBI Accession No.:** NP\_073715

**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.

<p><b>Form:</b> Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT.</p> <p><b>Molecular Weight:</b> 10.8 kDa (94aa) confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 90% by SDS - PAGE</p> <p><b>Concentration:</b> 0.25 mg/ml (determined by Bradford assay)</p>	<p>(kDa) 70 57 40 28 18 13.5 8.5 15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p><u>MGSSHHHHHH SSGLVPRGSH</u> MGSMERARDR LHLRRTTEQH VPEVEVQVKR RRTASLSNQE CQLYPRRSQQ QQVPVDFQA ELRQAFLAET PRGG</p>	

### General references:

Runte M, Kroisel PM *et al.* (2004). *Hum Genet.* 114(6):553-61.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246

Fax.: (763) 780-2988

Email: [info@ibl-america.com](mailto:info@ibl-america.com)

Web: [www.ibl-america.com](http://www.ibl-america.com)