

**AR51348PU-N****Human SNURF (1-71, His-tag) - Purified****Alternate names:**

SNRPN upstream reading frame protein

**Quantity:**

0.25 mg

**Concentration:**

0.25 mg/ml (determined by Bradford assay)

**Background:**

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.

**Uniprot ID:**[Q9Y675](#)**NCBI:**[NP\\_073715](#)**GeneID:**[8926](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT.**Description:**

Recombinant human SNURF protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**MGSSHHHHHHH SSGLVPRGSH MGSMERARDR LHLRRTTEQH VPEVEVQVKR RRTASLSNQE  
CQLYPRRSQQ QQVPVDFQA ELRQAFLAET PRGG**Molecular weight:** 10.8 kDa (94aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:**

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

Pictures:

