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## Product Data Sheet

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Product Name: SNRPA Human  
Cat. No.: GP24636  
Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	U1 small nuclear ribonucleoprotein A; U1 snRNP A; U1-A; U1A; SNRPA; Mud1.		
Formulation	SNRPA is supplied in 16mM HEPES buffer pH-7.6, 400mM NaCl and 20% glycerol.		

### Introduction

SNRPA associates with stem loop II of the U1 small nuclear ribonucleoprotein, which binds the 5' splice site of precursor mRNAs and is essential for splicing. The SNRPA protein autoregulates itself by polyadenylation inhibition of its own pre-mRNA via dimerization and is involved in the coupling of splicing and polyadenylation. SNRPA binds stem loop II of U1 snRNA. SNRPA is the first snRNP to interact with pre-mRNA. This interaction is vital for the subsequent binding of U2 snRNP and the U4/U6/U5 tri-snRNP.

### 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. Avoid multiple freeze-thaw cycles.

### Background

SNRPA Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a calculated molecular mass of 34 kDa. SNRPA is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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