
Product Data Sheet

Product Name: SNRPA1 Human
 Cat. No.: GP24637
 Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | U2 small nuclear ribonucleoprotein A'; U2 snRNP A'; SNRPA1; Lea1. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MVKLTAELIE QAAQYTN AVR DRELDLRGYK IPV IENLGAT LDQFDAIDFS DNEIRKLDGF PLLRRLKTLL VNNNRICRIG EGLDQALPCL TELILTNN SL VELGDL DPLA SLKSLTYLSI LRNPVTNKKH YRLYVIYKVP QVRVLDFQKV KLKERQEA EK MFKGKRG AQL AKDIARRSKT FNP GAGLPTD KKKGGPSPGD VEA IKNAIAN ASTLA EVERL KGLLQSGQIP GRERRSGPTD DGEEEME EDT VTNGS. | | |
| Formulation | SNRPA1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.2M NaCl, 2mM DTT and 0.1mM PMSF. | | |

Introduction

U2 small nuclear ribonucleoprotein A (SNRPA1), a 255 amino acid protein, is a component of the U2 snRNP which forms a complex with U2 snRNP B (U2B). U2 snRNP A and U2 snRNP B form together a complex which binds to the U2 snRNA hairpin IV. The configuration of the U2 snRNP A/U2 snRNP B dimer and the delicate variations of a few key residues regulate the snRNP-RNA-binding specificity.

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.

Background

SNRPA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 275 amino acids (1-255 a.a.) and having a molecular mass of 30.5kDa. SNRPA1 is fused to a 20 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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