

SNRPA1, 1-255aa, Human, His tag E.coli

Cat.NO.: TP03985

3th Edition

Synonyms:U2 small nuclear ribonucleoprotein A, Lea1, small nuclear ribonucleoprotein polypeptide A

Description:SNRPA1, also known as U2 small nuclear ribonucleoprotein A, is a component of the U2 snRNP that forms a complex with U2 snRNP B (U2B). Together, U2 snRNP A and U2 snRNP B form a complex that binds to the U2 snRNA hairpin IV. The configuration of this U2 snRNP A/U2 snRNP B dimer and the subtle variations of a few key residues regulate the snRNP-RNA-binding specificity. U2 snRNP A is a 255 amino acid protein, and two isoforms exist as a result of alternative splicing events. Recombinant human SNRPA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.2M NaCl,2mM DTT, 0.1mM PMSF

Molecular Weight:30.5 kDa(275aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMVKLTAELIEQAAQYTNAVRDRELDLRGYKIPVIENLGATLDQFDAIDFSDNEIRKL
DGFPLLRRLKTLVNNNRICRIGEGLDQALPCLTELILTNNSLVELGDLPLASLKSILTYLSILRNPVTNKKHYRLYVIY
KVPQVRVLDLFQKVKLKERQAEKMFKGKRGALAKDIARRSKTFNPGAGLPTDKKKGGPSPGDVEAIKNAIANAST
LAEVERLKGLLQSGQIPGRERRSGPTDDGEEEMEEDTVTNGS

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.