

Product information

SNRPA1, 1-255aa

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

Cat. No. IBATGP1361

Full name: U2 small nuclear ribonucleoprotein A

NCBI Accession No.: NP_003081

Synonyms: Lea1

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.

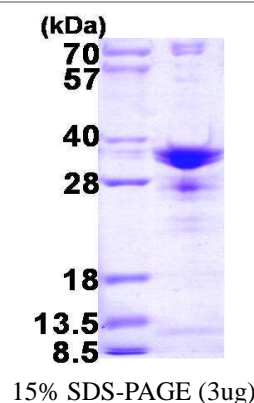
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol

0.2M NaCl, 2mM DTT, 0.1mM PMSF

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

Purity: > 80% by SDS - PAGE

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



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MVKLTAELIE QAAQYTNAVR DRELDLRGYK IPV IENLGAT LQQFDAIDFS DNEIRKLDGF PLLRRLKTL
 VNNNRICRIG EGLDQALPCL TELILTNNSL VELGDLPLA SLKSLTYLSI LRNPVTNKKH YRLVYIYKVP QVRVLDVQKV KLKERQAEK
 MFKGKGAQL AKDIARRSKT FNPAGLPTD KKKGGPSPGD VEAIKNAIAN ASTLAEVERL KGLLQSGQIP GRERRSGPTD DGEEEMEEDT
 VTNGS

General references:

Crispino J.D. *et al.* (1994) *Science* 265: 1866-1869.

Price S.R. *et al.* (1998) *Nature*. 394: 645-650.

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.