

Recombinant human NHP2L1 protein

Catalog Number: ATGP0812

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-128aa

UniProt No.

P55769

NCBI Accession No.

NP_004999

Alternative Names

NHP2(non-histone chromosome protein 2)-like 1, FA1, NHPX, OTK27, SNRNP15-5, SNU13, SPAG12, SSFA1

PRODUCT SPECIFICATION

Molecular Weight

16.7 kDa (152aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 100mM NaCl, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NHP2L1 belongs to the ribosomal protein L7Ae family. This protein localizes to the nucleus, mainly concentrated in the dense fibrillar component of the nucleolus. It directly binds to the 5' stem-loop of u4 snRNA and plays an important role in the late stage of spliceosome assembly, prior to step I of splicing catalysis. Recombinant human NHP2L1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMTEADV NPKAYPLADA HLTKKLLDLV QQSCNYKQLR KGANEATKTL NRGISEFIVM
AADAEPLEII LHLPLLCEDK NVPYVFVRSK QALGRACGVS RPVIACSVTI KEGSQLKQQI QSIQQSIERL LV

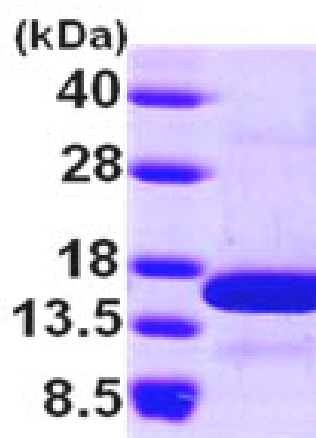
General References

Luhrmann R., et al. (2006) Mol Cell Biol. 26(13):5146-54.

Jovin TM., et al (2005) RNA. 11(2):197-209.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)