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# Recombinant human NHP2 protein

Catalog Number: ATGP0865

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-153aa

#### UniProt No.

09NX24

#### **NCBI Accession No.**

NP 060308

#### **Alternative Names**

H/ACA ribonucleoprotein complex subunit 2 isoform a, NHP2P, NOLA2

# PRODUCT SPECIFICATION

### **Molecular Weight**

19.3 kDa (173aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

#### **Purity**

> 90% 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**

NHP2, also called NOLA2, forms a small ribonucleoprotein particle with GAR1 (NOLA1), Nop10 for the isomerization of uridine to pseudouridine. This protein is involved in various aspects of rRNA processing and modification. It localizes to the dense fibrillar component of the nucleolus and in nuclear Cajal bodies. Recombinant human NHP2 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**

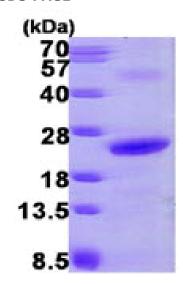
MGSSHHHHHH SSGLVPRGSH MTKIKADPDG PEAQAEACSG ERTYQELLVN QNPIAQPLAS RRLTRKLYKC IKKAVKQKQI RRGVKEVQKF VNKGEKGIMV LAGDTLPIEV YCHLPVMCED RNLPYVYIPS KTDLGAAAGS KRPTCVIMVK PHEEYQEAYD ECLEEVQSLP LPL

# **General References**

Henras A., et al. (1998), EMBO J., 17(23):7078-90. Pogacic V., et al. (2000). Mol. Cell. Biol.: 20:9028-9040

# **DATA**

# **SDS-PAGE**



coomassie blue stain.

3ug by SDS-PAGE under reducing condition and visualized by

15% SDS-PAGE (3ug)