

# Recombinant Human NHP2 Ribonucleoprotein Homolog (Yeast), His-tagged

**Cat. No.** NHP2-3399H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                           |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human NHP2 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 19.3 kDa (173aa).                                                                                                                                                  |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>              | 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. |
| <b>Form</b>                     | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.                                                                                                                                                                                                                                          |
| <b>Purity</b>                   | > 90% by SDS - PAGE.                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>            | 0.25 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                                                |
| <b>Sequences Of Amino Acids</b> | MGSSHHHHH SSGLVPRGSH MTKIKADPDG PEAQAEACSG ERTYQELLVN<br>QNPIAQPLAS RRLTRKLYKC IKKAVKQKQI RRGVKEVQKF VNKGEKGIMV<br>LAGDTLPIEV YCHLPVMCED RNLPLYVYIPS KTDLGAAAGS KRPTCVIMVK<br>PHEEYQEAYD ECLEEVQSLP LPL.                                                                                                                  |
| <b>Storage</b>                  | Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and                                                                                                                                                                                                                                          |

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | NHP2 NHP2 ribonucleoprotein homolog (yeast) [ Homo sapiens ]                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | NHP2 ribonucleoprotein homolog (yeast); NHP2P; NOLA2; NHP2; H/ACA ribonucleoprotein complex subunit 2; NHP2-like protein; OTTHUMP00000223998; OTTHUMP00000223999; snoRNP protein NHP2; nucleolar protein family A member 2; nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs);Nucleolar protein family A member 2; FLJ20479 |
| <b>Gene ID</b>             | 55651                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001034833                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_001030005                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 606470                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | Q9NX24                                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 5q35.3                                                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>            | protein binding; snoRNA binding                                                                                                                                                                                                                                                                                                             |

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