
Product Data Sheet

Product Name: NHP2 Human
 Cat. No.: GP24041
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	H/ACA ribonucleoprotein complex subunit 2; Nucleolar protein family A member 2; snoRNP protein NHP2; NHP2; NOLA2; NHP2P.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MTKIKADPDG PEAQAEACSG ERTYQELLVN QNPIAQPLAS RRLTRKLYKC IKKAVKQKQI RRGVKEVQKF VNKGEKGIMV LAGDTLPIEV YCHLPVMCED RNLPLYVYIPS KTDLGAAAGS KRPTCVIMVK PHEEYQEAYD ECLEEVQSLP LPL.		
Formulation	The NHP2 solution (0.25 mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

NHP2 belongs to the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been organized into 2 families: C/D and H/ACA. NHP2 (NOLA2) forms a small ribonucleoprotein particle with GAR1 (NOLA1), Nop10 for the isomerization of uridine to pseudouridine. NHP2 is involved in a variety of aspects of rRNA processing and modification. NHP2 localizes to the dense fibrillar component of the nucleolus and in nuclear Cajal bodies.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NHP2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 173 amino acids (1-153

Caution: Product has not been fully validated for medical applications. For research use only.

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a.a.) and having a molecular mass of 19.3kDa. The NHP2 is purified by proprietary chromatographic techniques.

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