

Product datasheet

Recombinant Human NHP2 protein ab102027

1 Image

Description

Product name	Recombinant Human NHP2 protein
Purity	> 90 % SDS-PAGE. ab102027 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	Q9NX24
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMTKIKADPDGPEAQAEA CSGERTYQELLVN QNPIAQPLASRRLTRKLYKCIKKAVKQKQIRRGVKEVQKFV NKGEKGIMV LAGDTLPIEVYCHLPVMCEDRNLPVYIYPSKTDLGAAAGSK RPTCVIMVK PHEEYQEAYDECLLEEVQSLPLPL
Predicted molecular weight	19 kDa including tags
Amino acids	1 to 153
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab102027** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ("psi") residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.
Tissue specificity	Expressed in brain, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, small intestine, spleen, testis and thymus. Also expressed at lower levels in the liver.
Involvement in disease	Dyskeratosis congenita, autosomal recessive, 2
Sequence similarities	Belongs to the ribosomal protein L7Ae family.
Developmental stage	Transcript peaks at G1/S transition.
Cellular localization	Nucleus > nucleolus. Nucleus > Cajal body. Also localized to Cajal bodies.

Images



15% SDS-PAGE analysis of ab102027 (3µg)

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