

Recombinant human PIH1D1 protein

Catalog Number: ATGP2407

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-290aa

UniProt No.

Q9NWS0

NCBI Accession No.

NP_060386

Alternative Names

PIH1 domain-containing protein 1, NOP17

PRODUCT SPECIFICATION

Molecular Weight

34.8 kDa (313aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

PIH1 domain-containing protein 1, also known as PIH1D1, is a phylogenetically conserved protein essential for efficient processing of pre-rRNA through its association with a class of small nucleolar RNAs (snoRNAs) during ribosomal biogenesis. SnoRNAs are associated in ribonucleoprotein particles localized to the nucleolus. PIH1D1 may also function as a novel modulator of apoptosis pathway. Recombinant human PIH1D1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMANPKLL GMGLSEAEAI GADSARFEEL LLQASKELQQ AQTTRPESTQ IQPQPGFCIK
TNSSEGKVF I NICHSPSIPP PADVTEEELL QMLEEDQAGF RIPMSLGEPH AELDAKGQGC TAYDVAVNSD FYRRMQNSDF
LRELVIAR EGLEDKYNLQ LNPEWRMMKN RPFMGSISQQ NIRSEQRPRI QELGDLYTPA PGRAESGPEK PHLNLWLEAP
DLLLAEVDLP KLDGALGLSL EIGENRLVMG GPQQLYHLDA YIPLQINSHE SKAAFHRKRK QLMVAMPLLP VPS

General References

Gonzales F A., et al. (2005) J Mol Biol. 346:437-455.
Granato D C., et al. (2005) FEBS J. 272:4450-4463.

DATA

SDS-PAGE

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

