

Recombinant human NIP7 protein

Catalog Number: ATGP0545

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-180aa

UniProt No.

Q9Y221

NCBI Accession No.

NP_057185

Alternative Names

60S ribosome subunit biogenesis protein NIP7 homolog, CGI 37, FLJ10296, HSPC031, HSPC180, KD93, NIP 7, Nuclear import 7, Nuclear import 7 homolog (*S. cerevisiae*), OK/SW cl.76, OK/SW cl.78

PRODUCT SPECIFICATION

Molecular Weight

21.5 kDa (188aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

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

NIP7, also known as the 60S ribosome subunit biogenesis protein NIP7 homolog, belongs to NIP7 family and contains 1 PuA domain. It interacts with pre-ribosome complex and may bind to RNA. This protein is required for proper 27S pre-rRNA processing and 60S ribosome subunit assembly. Recombinant human NIP7 protein, fused to His-tag at C-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

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Amino acid Sequence

MRPLTEEETR VMFEKIAKYI GENLQLLVDR PDGTYCFRLH NDRVYYVSEK IMKLAANISG DKLVSLGTCTFGKFTKTHKFR
LHVTALDYLA PYAKYKVIK PGAEQSFLYG NHVLKSGGLGR ITENTSQYQG VVVYSMADIPLGFGVAAKST QDCRKVDPM
IVVFHQADIG EYVRHEETLT LEHHHHHH

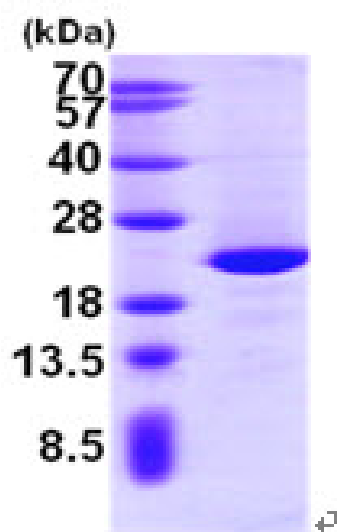
General References

Sekiguchi T., et al. (2004) J. Biol. Chem. 279(9):8343-50.

Hesling C., et al. (2007) Exp. Cell. Res. 313(20):4180-95.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)