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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

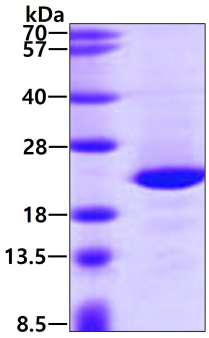
MRPLTEEETR VMFEKIAKYI GENLQLLVDR PDGTYCFRLH NDRVYYVSEK IMKLAANISG DKLVSLGTCFGKFTKTHKFR LHVTALDYLA PYAKYKVWIK PGAEQSFLYG NHVLKSGLGR ITENTSQYQG VVVYSMADIPLGFGVAAKST QDCRKVDPMA IVVFHQADIG EYVRHEETLT <LEHHHHHH>

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.