Recombinant human NAP1L4 protein

Catalog Number: ATGP2317

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-375aa

UniProt No.
Q99733

NCBI Accession No.
NP_005960

Alternative Names
Nucleosome assembly protein 1-like 4, hNAP2, NAP1L4b, NAP2, NAP2L

PRODUCT SPECIFICATION

Molecular Weight
45.2 kDa (398aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

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
NAP1L4 is a member of the nucleosome assembly protein (NAP) family which can interact with both core and linker histones. It can shuttle between the cytoplasm and nucleus, suggesting a role as a histone chaperone. This gene is one of several located near the imprinted gene domain of 11p15. 5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Recombinant human NAP1L4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

conventional chromatography techniques.

Amino acid Sequence

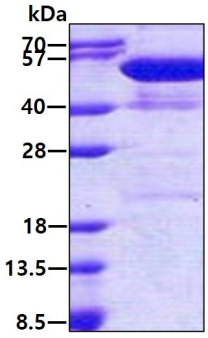
<MGSSHHHHHH SSGLVPRGSH MGS>MADHSFS DGVPSDSVEA AKNASNTEKL TDQVMQNPRV LAALQERLDN VPHTPSSYIE TLPKAVKRRI NALKQLQVRC AHIEAKFYEE VHDLERKYAA LYQPLFDKRR EFITGDVEPT DAESEWHSEN EEEEKLAGDM KSKVVVTEKA AATAEEPDPK GIPEFWFTIF RNVDMLSELV QEYDEPILKH LQDIKVKFSD PGQPMSFVLE FHFEPNDYFT NSVLTKTYKM KSEPDKADPF SFEGPEIVDC DGCTIDWKKG KNVTVKTIKK KQKHKGRGTV RTITKQVPNE SFFNFFNPLK ASGDGESLDE DSEFTLASDF EIGHFFRERI VPRAVLYFTG EAIEDDDNFE EGEEGEEEEL EGDEEGEDED DAEINPKV

General References

Olsen J.V., et al. (2006) Cell. 127:635-648
Nousiainen M., et al. (2006) Proc. Natl. Acad. Sci. u.S.A. 103:5391-5396

DATA

SDS-PAGE



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