

# Product information



## NAP1L4, 1-375aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2317

**Full name:** Nucleosome assembly protein 1-like 4

**NCBI Accession No.:** NP\_005960

**Synonyms:** hNAP2, NAP1L4b, NAP2, NAP2L

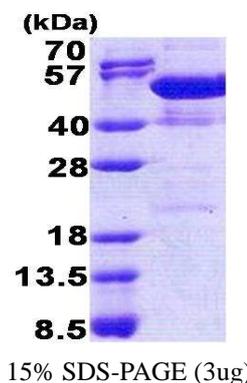
**Description:** NAP1L4 is a member of the nucleosome assembly protein (NAP) family which can interact with both core and linker histones. It can shuttle between the cytoplasm and nucleus, suggesting a role as a histone chaperone. This gene is one of several located near the imprinted gene domain of 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.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

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

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMADHSFS DGVPDSVVEA AKNASNTEKL TDQVMQNPV LAALQERLDN VPHTPSSYIE TLPKAVKRR I  
NALKQLQVRC AHIEAKFYEE VHDLERKYAA LYQLFDKRR EFITGDVEPT DAESEWHSN EEEEKLAGDM KSKVVVTEKA AATAEEPDPK  
GIPEFWFTIF RNVDMSELV QEYDEPILKH LQDIKVKFSD PGQPMSFVLE FHFEPNDYFT NSVLTKTYKM KSEPKADPF SFEGPEIVDC  
DGCTIDWKKG KNVTVKTIKK KQKHKGRGTV RTITKQVPNE SFFNFFNPLK ASGDGSLDE DSEFTLASDF EIGHFFRERI VPRAVLYFTG  
EAIEDDDNFE EGEEGEEEL 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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA  
Phone: (888) 523-1246 Fax: (763) 780-2988  
Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)