

Recombinant Human NAP1L4, His-tagged

Cat. No. NAP1L4-2317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NAP1L4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	398aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	45.2 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADHSFS DGVPDSVEA AKNASNTEKL TDQVMQNPRV LAALQERLDN VPHTPSSYIE TLPKAVKRRI NALKQLQVRC AHIEAKFYEE VHDLERKYAA LYQPLFDKRR EFITGDVEPT DAESEWHSEN

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EEEEKLAGDM KSKVVVTEKA AATAEEPDPK GIPEFWFTIF RNVDMLSELV
 QEYDEPILKH LQDIKVKFSD PGQPMSFVLE FHFEPNDYFT NSVLTKTYKM
 KSEPDKADPF SFEGPEIVDC DGCTIDWKKG KNVTVKTIKK KQKHKGRTV
 RTITKQVPNE SFFNFFNPLK ASGDGESLDE DSEFTLASDF EIGHFFRERI
 VPRAVLYFTG EAIEDDDNFE EGEEGEEEEEL EGDEEGEDED DAEINPKV

Purity >90% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [NAP1L4 nucleosome assembly protein 1-like 4 \[Homo sapiens \]](#)

Official Symbol NAP1L4

Synonyms NAP1L4; nucleosome assembly protein 1-like 4; NAP2; NAP-2; nucleosome assembly protein 2; nucleosome assembly protein 1-like 4b; NAP2L; hNAP2; NAP1L4b; MGC4565;

Gene ID [4676](#)

mRNA Refseq [NM_005969](#)

Protein Refseq [NP_005960](#)

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MIM	601651
UniProt ID	Q99733
Chromosome Location	11p15.5
Function	unfolded protein binding;

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