

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.
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.
Source	E. coli
Species	Human
Tag	His
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	45.2 kDa
Protein length	398aa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADHSFS DGVPSDSVEA AKNASNTEKL

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TDQVMQNPRV LAALQERLDN VPHTPSSYIE TLPKAVKRRI NALKQLQVRC
 AHIEAKFYEE VHDLERKYAA LYQPLFDKRR EFITGDVEPT DAESEWHSEN
 EEEEELAGDM 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](#)

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Protein Refseq	NP_005960
MIM	601651
UniProt ID	Q99733
Chromosome Location	11p15.5
Function	unfolded protein binding;

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