

**NAP1L4, 1-375aa, Human, His tag, E.coli**

**Cat.NO.: TP03093**

3th Edition

**Synonyms:**Nucleosome assembly protein 1-like 4, 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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMADHSFSDGVPSDSVEAAKNASNTEKLTQVMQNPRVLAALQERLDNVPH  
TPSSYIETLPKAVKRRINALKQLQVRCALIEAKFYEEVHDLERKYAALYQLFDKRREFITGDVEPTDAESEWHSENE  
EEEKLAGDMKSKVVVTEKAAATAEEPDPKGIPEFWFTIFRNVDMLSELVQEYDEPILKHLQDIKVKFSDPGQPMSFV  
LEFHFEPNDFYFTNSVLTKTYKMKSEPKADPFSEFGEIVDCDGCTIDWKKGKNVTVKTIKKKQKHKGRGTVRTITK  
QVPNESFFNFFNPLKASGDGESLDEDESEFTLASDFEIGHFFRERIVPRAVLYFTGEAIEDDDNFEEGEEGEEEELEG  
DEEGEDEDDAEINPKV

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.