

Product datasheet for **SC116401**

NAP1L4 (NM_005969) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAP1L4 (NM_005969) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAP1L4
Synonyms:	hNAP2; NAP1L4b; NAP2; NAP2L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_005969 edited
GAATTCGGCACGAGGCCTCGTGCCGAATTCGGCACGAGGGGGAGCCGGCGTTGTTGGAGG
CCACGGCGGCGCAGCCCCAAAGCGAGCGAAGCTAGGGTCGCCGCACTGCCGCAGGAGGC
GTGAGGGGATAAAAAATTTCAGATGGCAGATCACAGTTTTTCAGATGGGGTTCCTTCAGA
TTCCGTGGAAGCTGCTAAAAATGCAAGTAACACAGAAAAGCTCACAGATCAGGTGATGCA
GAATCCTCGAGTTCTGGCAGCTTTACAGGAGCGACTTGACAATGTCCCTCACACCCCTTC
CAGCTACATCGAAACTTTACCTAAAGCAGTAAAAAGAAGAAATTAATGCATTGAAACAAC
TCAGGTGAGATGTGCTCACATAGAAGCCAAGTTCTATGAAGAGGTACATGACTTGGAAAG
AAAGTATGCAGCGCTGTACCAGCCTCTCTTTGACAAGAGAAGAGAATTTATCACCGGCGA
TGTGTAACCAACAGATGCGGAATCGGAATGGCACAGTAAAAATGAAGAGGAAGAGAAATT
GGCTGGAGACATGAAAAGTAAAGTAGTCGTACAGAAAAAGCAGCGGCAACGGCTGAAGA
GCCAGATCCCAAAGGAATCCAGAGTTCTGGTTTACCATCTTCAGAAATGTGGACATGCT
GAGTGAATTAGTCCAGGAATATGATGAACCAATCTTGAACACCTGCAGGATATTAAGT
GAAATTTTCTGACCCTGGACAGCCTATGTCTTTTGTGTTAGAGTTCCTTTGAACCCAA
CGACTACTTTACCAACTCAGTCTGACAAAAACCTACAAGATGAAATCAGAACAGATAA
GGCTGATCCCTTTTCTTTGAAGGTCTGAGATTGTGGACTGTGACGGGTGACTATTGA
CTGGAAGAAAGGAAGAATGTTACTGTCAAACCATCAAGAAAAAGCAGAAGCATAAGGG
TCGAGGCACTGTTAGAACAATTACGAAACAAGTACCCAATGAGTCCTTTTTCAACTTCTT
CAATCCATTGAAAGCATCCGGGGATGGAGAATCACTGGATGAAGATTCTGAATTCACATT
AGCCTCTGATTTTGAATTTGGACACTTTTTCCGTGAGCGGATAGTCCCGCGGGCTGTGCT
GTACTTCACTGGGAGGCCATAGAAGATGATGACAATTTTGAAGAAGGTGAAGAAGGAGA
AGAGGAGGAATTAGAAGGTGACGAGGAGGAGAAGACGAGGATGATGCGGAAATTAACCC
CAAGGTGTAATTTTGTCTGTTAATCATTACATCGTTTTCTAGAAGGAACCCAGCCAGCG
CGGGAATGCAAGCAGCAGTAGGAAGCGGAGCGGGTGCCTGGCAGACCGGCTGTCGGGAC
TCCAGGCCTGTGGCGGGGCTCGGTCCTTGCCGACGACAATCCCGTGGACAGAGCTTA
CTCCATCTAACTCGTTTTCAAGTGCATGATTTTCACTTTCACTTTTCTTTTTCTTATT
ATTTTGTCTAACTGTACAGTGGCAACTGAAATGCATTTTCAGAAATAGGAGGTTTCGTCC
AGCACTCTCTGCAGCCTTGGTGCCTGTAGCTCTGGACTTCCCTGGGCTTTCCCTGTGGG
AGGGCCCTGTAGACCACATCAGGGTGGGGTGGGGTCACTTGGCAAAAAGGGCCGAGGTC
TGGTGATGTGGTCCCAGGATCTGGAACCTCTCCACCCCTCCTGCAGTTGGACTGAATT
CTTCCCTTTCATCCGAAGAAACCACTTGCTGTTTCCAGCGCTGAATCTGCTGAGTGTG
CAGCCTGCATCACCTGCTGTATGCCGATCATCTCAGAAAGGGCTGTGTAGAGTAGGGCC
TGTTCTCCTTAGGATGTTGCTTCTGATTTTTTTTTTTTTTTAGGGTGGGTGAGGGTTG
TGACACACCAGCCAGGTGAGAGCTGCTGCGGGTCACTCATATTTATTTATCCCTTCTT
GCCTGTGAGGACTGCGGCTTTTCGCTGTGGCTCGTCTTAACGTTTCTGAACCACCTTGG
TGCCCTGAGCAGGAAGATGTGCCACTTCTAGCAGGCGCAAGGCCTGTGCGGAAGAAACG
CCGCTCCCTGCCACCAGGGCTGAAGATGCGAGCCCGTCTCATGACGCAGGCGCCACCT
GCTGCCGAGCCGGGCTTCGGCAGTCTTCTCCACTGAGGGACTGGGCTGGGAAGTCTGC
GTTTCAGTGGAGCGTATGAGCGTCAAGTCTGCTTCTCAGTAGCCCCATTGCGGGGCC
CACCATTCATCCTGTCTGAAGGTCTGGGTTTGGTGTGACCGCTTGGCGGCTGGTGGGTG
GGGTTTTCAAGTGGGTGACGGCGCTCTCCGGCAGCCGGGATGGCCGTGTCGGCACTGAC
CAGGCCTGTGGAGAGTGTCTGGCCTAACCTTAGAACACATTTGTAAGTGAATACAGTGT
TTCAATTTGTACAGAATAGTTAGAATATTCTATTAAGTGGTGAACATTGAGTCAAAAA
AAAAAAAAAAAAAACTCGAC
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005969 unedited
 CACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAATTCGGCACGAGGGGA
 GCCGGCGTTGTTGGAGGCCACGGCGGCCGAGCCCCAAAGCGAGCGAAGCTAGGGTCGCCG
 CCACTGCCGACAGGAGCGGTGAGGGGATAAAAACATTAGATGGCAGATCACAGTTTTTCA
 GATGGGGTTCTTCAGATTCCGTGGAAGCTGCTAAAAATGCAAGTAACACAGAAAAGCTC
 ACAGATCAGGTGATGCAGAATCCTCGAGTCTGGCAGCTTACAGGAGCGACTTGACAAT
 GTCCCTCACACCCCTTCCAGCTACATCGAACTTTACCTAAAGCAGTAAAAAGAAGAATT
 AATGCATTGAAACAACCTCAGGTGAGATGTGCTACATAGAAGCCAAGTTCTATGAAGAG
 GTACATGACTTGAAAGAAAGTATGCAGCGCTGTACCAGCCTCTTTTGACAAGAGAAGA
 GAATTTATCACCGCGATGTTGAACCAACAGATGCGGAATCGGAATGGCACAGTAAAAAT
 GAAGAGGAAGAGAAAATTGGCTGGAGACATGAAAAGTAAAGTAGTCGTACAGANAAGCA
 GCGGCAACGGCTGAAGAGCCAGATCCCAAAGGAATTCAGAGTTCTGGTTTACCATCTTC
 AGAAATGTGGACATGCTGAGTGAATTTAGTCCAGAATATGATGAACCAATCTTGAACAC
 CTGCANGATATTAAGTGAATTTTCTGACCCTGACAGCCTATGTCTTTTGTGNNTAGAG
 NTCACCTTTGAACCCACGACTACTTTACCAACTCAGTCTGACAAAACCTACAGATGAA
 ATCGAACAGATANGGCTGATCCTTNTCTTTGANNGTCTGANNATGGGACTGNGCCGGNT
 GACTATGACTGGAGAAGAAAAGATGNTCTGTCAACCTCAGAAACGAGCCTAGGGTCGAG
 ACTGTAGACANTACGACAGTCCCATGAGTCTTTACTCTCATCTGAGCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005969 unedited
 TTTTNNNNNNNNNNNTTTTCTTTAGNACCNCGGNCCGCATTTNANGATCGAGTTTTT
 TTTTTTTTTTTTTGACTCATGTTTCACCACTTAAATAGAATATTCTAACTATTCTGTAC
 AAATTGAAAACACTGTATTCAGTTACAAATGTGTTCTAAGGTTAGGCCGAGCACTCTCCA
 CAGGCCTGGTCAGTGGGACACGGCCATCCCCGGCTGCCGGAGAGCGCCGTCACCCACTT
 GAAAACCCACCCACAGCCGCAAGCGGTACACCAAACCCAGGACCTTACAGACAGGAT
 GAATGGTGGGGCCCCGAATGGGGCTACTGAGAAAGCAGGACTTGACGCTCATACGCTCC
 ACTGAAACGCAGGACTTCCCAGCCAGTCCCTCAGTGGAGAAGACTGCCGAAGCCCGGCT
 CCGGCAGCAGGGTGGCGCCTGCGTCATGAGGACGGGCTCGCATCTCAGCCCTGGTGGCA
 GGGAGCGGCGTTTCTCCGCACAGGCTTGGCCCTGCTANGAAGTGGCACATCTTCTCTGC
 TCAGGGCACCAAGGTGGTTCAGAAAACGTAAGGACGAGCCACAGCGAANAGCCGACTCC
 TCACAAGGCAGAAGGGATAANNTAATATGANGTGACCCGACGAGCTCTACCTGGGCTG
 GTGTGTACAACCTGACCCACCCCTAANAAAAAAAAAAAAATTCAGAAGCCACATCCTTA
 GGGAGACAGGGCCNTACTCTACACAGNCCCTTNTGAAATGATCGGCATACAGCAGGTG
 ATGCAGGCTGCACACTAGCAGATTCAACGGTGGAAACAGCAATTGGGTCTTCGGATGAAA
 GGGAGAATCANTCCACTGCAGGAGGGTGGNNAAGGTCCAAATACTGGGACCACATTAA
 CAGACTTGGCCTTTTTTGGCAGTGACCCCAACCCACCTGATTGGGTTACAGGNCTCCCA
 AGGAAAAGGCCAGGAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_005969

Insert Size:

2770 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_005969.3](#), [NP_005960.1](#)

RefSeq Size: 2564 bp

RefSeq ORF: 1128 bp

Locus ID: 4676

UniProt ID: [Q99733](#)

Cytogenetics: 11p15.4

Domains: NAP

Gene Summary: This gene encodes 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. [provided by RefSeq, Jul 2008]