

## Product datasheet for **SC117326**

### **NAP1L3 (NM\_004538) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NAP1L3 (NM_004538) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAP1L3
Synonyms:	MB20; NPL3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC117326 sequence for NM\_004538 edited (data generated by NextGen Sequencing)

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ATGGCAGAAGCAGATTTTAAAATGGTCTCGAACCTGTCGCCCATGGGGTTGCCGAAGAG
GAGATGGCTAGCTCGACTAGTGATTCTGGGGAAGAATCTGACAGCAGTAGCTCTAGCAGC
AGCACTAGTGACAGCAGCAGCAGCAGCAGCACTAGTGGCAGCAGCAGCGGCAGCGGCAGC
AGCAGCAGCAGCAGCGGCAGCACTAGCAGCCGCAGCCGCTTGTATAGAAAGAAGAGGGTA
CCTGAGCCTTCCAGAAGGGCGCGGGCCCGTTGGGAACAAATTTCTGGATAGGCTG
CCTCAGGCAGTTAGAAATCGTGTGCAAGCGCTTAGAAACATTCAAGATGAATGTGACAAG
GTAGATACCCTGTTCTTAAAAGCAATTCATGATCTTAAAAGAAAAATGCTGAACTCAAC
AAGCCTCTGTATGATAGGCGGTTCAAATCATCAATGCAGAATACGAGCCTACAGAAGAA
GAATGTGAATGGAATTCAGAGGATGAGGAGTTCAGCAGTATGAGGAGGTGCAGGATAAC
ACCCCTAGTGAATGCCTCCCTTAGAGGGTGAGGAAGAAGAAAACCTAAAGAAAACCCA
GAGGTGAAAGCTGAAGAGAAGGAAGTTCCTAAAGAAATTCCTGAGGTGAAGGATGAAGAA
AAGGAAGTTGCTAAAGAAATTCCTGAGGTAAAGGCTGAAGAAAAAGCAGATTCTAAAGAC
TGATATGGAGGCAACCCCTGAAGTAAAAGAAGATCCTAAAGAAGTCCCCAGGTAAAGGCA
GATGATAAAGAACAGCCTAAAGCAACAGAGGCTAAGGCAAGGGCTGCAGTAAGAGAGACT
CATAAAAGAGTTCTGAGGAAAGGCTTCAGGACAGTGTAGATCTTAAAAGAGCTAGGAAG
GGAAAGCCTAAAAGAGAAGACCCCTAAAGGCATTCTGACTATTGGCTGATTGTTTTAAAG
AATGTTGACAAGCTCGGGCCTATGATTCAGAAGTATGATGAGCCATTCTGAAGTTCTTG
TCGGATGTTAGCCTGAAGTTCTCAAACCTGGCCAGCCTGAAGTTACACCTTTGAATTT
CATTTTCTACCAACCCATACTTCAGAAATGAGGTGCTGGTGAAGACATATAATAAAG
GCAAAACCAGATCACAATGATCCCTTCTTTCTGGGGATGGGAAATTGAAGATTGCAAA
ACAACTGCTACTGAGAAATTGAAATCCAGCCAAGAGTGGTTCTAATGCATCATTCTTC
AACTTCTTTAGTCTCCTGAGATTCTATGATTGGGAAGCTGGAACACGAGAAGATGCT
ATCCTGGATGAGGACTTTGAAATTGGGCAGATTTTACATGATAATGTCATCCTGAAATCA
ATCTATTACTATACTGGAGAAGTCAATGGTACCTACTATCAATTTGGCAAACATTATGGA
ACAAGAAATACAGAAAATAA
    
```

Clone variation with respect to NM\_004538.5  
670 c=>g

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004538 unedited

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ACATTTTGTAAACGACTCACTATAGGGCGGCGGAATCGGCACGAGGCTCGGCACTCTA
GCTGCAGCCGGGAGAGGCCTTGCCGCCACCGCTGTCGCCAAGCCTCCACTGCCGCTGCC
ACCTCAGCGCCGGCCTCTGCATCCCCAGCTCCAGCTCCGCTCTGCGCCGCTGCTGCCATC
CCGCTGCCACCTCCGCAGCCCGGCCTCCGCCCGCCCACTCAAGCATCCGTGATCAT
TTTCTGCCCATCTCTGGTGCAGCGGTCTCCCTGGTAGAGTTTGTAGGCTTGCAAGATGGC
AGAAGCAGATTTTAAAATGGTCTCGAACCTGTCGCCCATGGGGTTGCCGAAGAGGAGAT
GGCTAGCTCGACTAGTGATTCTGGGGAAGAATCTGACAGCAGTAGCTCTAGCAGCAGCAC
TAGTGACAGCAGCAGCAGCAGCAGCACTAGTGGCAGCAGCAGCGGCAGCGGCAGCAGCAG
CAGCAGCAGCGGCAGCACTAGCAGCCGCAGCCGCTTGTATAGAAAGAAGAGGGTACCTGA
GCCTTCCAGAAGGGCGCGGGCCCGTTGGGAACAAATTTCTGGATAGGCTGCCTCA
GGCAGTTAGAAATCGTGTGCAAGCGCTTAGAAACATTCAAGATGAATGTGACAAGGTAGA
TACCCTGTTCTTAAAAGCAATTCATGATCTTGACGAGAAATATGCTGAACTCAACAAGCC
TCTGTATGATAGCGGTTCAAATCATCAATGCAGAATACGAGCCTACAGAAGAAGAATG
TGAATGGAATTCAGAGGGATGAGAGTTCAGCAGCGATGAAGGAGTGCAGGATAACACCC
TAGTGAATGCCTCCCTTAGAGGGTGAGGAGAAGAAAACCTAAGAAAACCCANAGTGAAA
GCTCGAGAAGGAAGTCCTAAGGAATCCTGANGTGAGGGAGANNAAGGAGT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_004538 unedited GTACGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTATAGTATAACACAC TTTAATATTTATTTATTTTAGGTTGCAATACAAGAACATGAAAAACAGTATCAAATGAAG TGATCATTTTCAGTAAAAGGGAAGGTAGAACACAATACAAAGAAAAACACGGTATCTTTAG TTTACAATTACACAATATAAGATGAAGAACTTTTTCAAAAATACTATGTTATATTAACA CCTCAGTGGTAAACAATAACATCATTATGATTAATTTATAGGCCACTATATGTCACATA CACAAGGTCTCAGTTGAATCAAATGTGGTCTTTTCACATTAGATGTATGCTAATCTTTTT CAAGCAGTCAAACCTTCAAATACACTGTTTTATTACTATAAGTACTGGATTTCTATAGC AAACTAATGAAGGCACAGCTAGTCAAGCAGATTTAAACCCTTAGTCTTATGGGCTGGAA AAAAGAAAAAATAAAACACTTGCATTGGTACTTCATGAACCTTTTTTTTTCAAGCAAATA TTTGTTCAGTTAACAATTCTGACAGTTTCACAGCTACAGTCTAACAGAAACATGACCAA AGGACATCACAAAAATCAACACTGTGTAGCACCAAACTAACATGCTTTAGATAATTGACA ACAGCTTACATATTTGAAGAATATTATACTACAACAGCCTAGATAGAATAAACTGGCAC TTAGACTTTTTAGGACTATTTTTAAATATTGACTACCAAGAAACCACAAAACCTTGACT ATANGGATAATAGTGNTCAGGTTACAGGTCAGGGTTTTACTTTTTCAAGCTGTATGAAA TCTGCTCACTTCTTGAGATTTAAGAATCTGAAAATCTTCAGATGGACTATTTCTGTATTC CTGTTCCATAAGTTCGCAAATGATATAGGAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004538
<b>Insert Size:</b>	3160 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_004538.3</a> , <a href="#">NP_004529.2</a>
<b>RefSeq Size:</b>	2687 bp
<b>RefSeq ORF:</b>	1521 bp
<b>Locus ID:</b>	4675
<b>UniProt ID:</b>	<a href="#">Q99457</a>
<b>Cytogenetics:</b>	Xq21.32
<b>Domains:</b>	NAP

**Gene Summary:**

This gene is intronless and encodes a member of the nucleosome assembly protein (NAP) family. This gene is linked closely to a region of genes responsible for several X-linked cognitive disability syndromes. [provided by RefSeq, Dec 2010]