

## Product datasheet for **RG205297**

### **NAP1L3 (NM\_004538) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NAP1L3 (NM_004538) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAP1L3
Synonyms:	MB20; NPL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG205297 representing NM\_004538  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAGAAGCAGATTTTAAAATGGTCTCGGAACCTGTCGCCATGGGGTTGCCAAGAGGAGATGGCTA  
 GCTCGACTAGTGATTCTGGGAAGAATCTGACAGCAGTAGCTCTAGCAGCAGCACTAGTGACAGCAGCAG  
 CAGCAGCAGCACTAGTGGCAGCAGCAGCGGCAGCGGCAGCAGCAGCAGCAGCAGCGGCAGCACTAGCAGC  
 CGCAGCCGCTTGTATAGAAAAGAAGAGGGTACCTGAGCCTTCCAGAAGGGCGCGGGGCCCGCTGGGAA  
 CAAATTCGTGGATAGGCTGCCTCAGGCAGTTAGAAATCGTGTGCAAGCGCTTAGAAACATTCAAGATGA  
 ATGTGACAAGGTAGATACCCTGTTCTTAAAAGCAATTCATGATCTTAAAAGAAAATATGCTGAACCTCAAC  
 AAGCCTCTGTATGATAGGCGTTTCAAATCATCAATGCAGAATACGAGCCTACAGAAGAAGATGTGAAT  
 GGAATTCAGAGGATGAGGAGTTCAGCAGTGATGAGGAGGTGCAGGATAACACCCCTAGTGAATGCCTCC  
 CTTAGAGGGTGAGGAAGAAGAAAACCTAAAGAAAACCCAGAGGTGAAAGCTGAAGAGAAGGAAGTTCCT  
 AAAGAAAATTCCTGAGGTGAAGGATGAAGAAAAGGAAGTTGCTAAAAGAAAATTAAGTAAAGGCTGAAG  
 AAAAGCAGATTCTAAAGACTGTATGGAGGCAACCCCTGAAGTAAAAGAAGATCCTAAAGAGTCCCCCA  
 GGTAAAGGCAGATGATAAAGAACAGCCTAAAGCAACAGAGGCTAAGGCAAGGGCTGCAGTAAAGAGACT  
 CATAAAGAGTTCCTGAGGAAAGGCTTCAGGACAGTGTAGATCTTAAAAGAGCTAGGAAGGGAAAGCCTA  
 AAAGAGAAGACCCATAAGGCATTCTGACTATTGGCTGATTGTTTTAAAGAATGTTGACAAGCTCGGGCC  
 TATGATTCAGAAGTATGATGAGCCATTCTGAAGTCTTGTCCGGATGTTAGCCTGAAGTCTCAAACCT  
 GGCCAGCCTGTAAGTTACACCTTGAATTTCAATTTCTACCAACCCATACTTCAGAAATGAGGTGCTGG  
 TGAAGACATATAATAAAGGCAAACCCAGATACAATGATCCCTCTTTTCTGGGGATGGGAAATGTA  
 AGATTGCAAAGGCTGCAAGATAGACTGGAGAAGGAAAAGATGTTACTGTGACAACTACCCAGAGTCCGC  
 ACAACTGCTACTGGAGAAATTGAAATCCAGCCAAGAGTGGTTCCTAATGCATCATTCTTCAACTCTTTA  
 GTCCTCTGAGATTCTATGATTGGGAAGCTGGAACCACGAGAAGATGCTATCCTGGATGAGGACTTTGA  
 AATTGGGCAGATTTTACATGATAATGTCATCCTGAAATCAATCTATTACTATACTGGAGAAGTCAATGGT  
 ACCTACTATCAATTTGGCAAACATTATGAAAACAAGAAAATACAGAAAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG205297 representing NM\_004538  
 Red=Cloning site Green=Tags(s)

MAEADFKMVSEPVVAHGVAEEEMASSTSDSGEESDSSSSSSSTSDSSSSSSSTSGSSSGSGSSSSSSSGTSS  
 RSRLYRKRKRVPEPSRRARRAPLGTNFVDRLPQAVRNRVQALRNIQDECDKVDTLFLKAIHDLERKYAELN  
 KP LYDRRFQIINAIEYEPTEEECWNSDEEFSSDEEVQDNTPEMPPLGEEEEENPKENPEVKAEEKEVP  
 KEIPEVKDEEKEVAKEITEVKAEEKADSKDCMEATPEVKEDPKVPQVKADDKEQPKATEAKARAAVRET  
 HKRVPEERLQDSVDLKRARKGPKREDPKGIPDYWLIVLKNVDKLGPMIQKYDEPILKFLSDVSLKFSK  
 GQPVSYTFEFHFLPNPYFRNEVLVKTYI IKAKPDHNDPFFSWGWEIEDCKGCKIDWRRGKDVTVTQSR  
 TTATGEIEIQPRVVPNASFFNFSPPEIPMIGKLEPREDAILDEDFEIGQILHDNVILKSIYYTGEVNG  
 TYYQFGKHYGNKKYRK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_004538

**ORF Size:** 1518 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_004538.3](#), [NP\\_004529.2](#)

**RefSeq Size:** 2687 bp

**RefSeq ORF:** 1521 bp

**Locus ID:** 4675

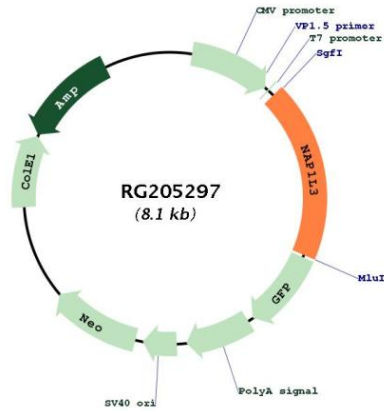
**UniProt ID:** [Q99457](#)

**Cytogenetics:** Xq21.32

Domains: 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]

Product images:



Circular map for RG205297