

Product datasheet for **RG220821**

NAP1L1 (NM_004537) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAP1L1 (NM_004537) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAP1L1
Synonyms:	NAP1; NAP1L; NRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220821 representing NM_004537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCAGACATTGACAACAAAGAACAGTCTGAACCTTGATCAAGATTTGGATGATGTTGAAGAAGTAGAAG
 AAGAGGAACTGGTGAAGAAACAACTCAAAGCACGTCAGCTAACTGTTGATGATGCAAAATCCTCA
 GATTCCTGCAGCCCTTCAAGAAAGACTTGATGGTCTGGTAGAAACACCAACAGGATACATTGAAAGCCTG
 CCTAGGGTAGTTAAAGACGAGTGAATGCTCTCAAAACCTGCAAGTTAAATGTGCACAGATAGAAGCCA
 AATTCTATGAGGAAGTTCACGATCTTGAAGGAAGTATGCTGTTCTCTATCAGCCTCTATTTGATAAGCG
 ATTTGAAATTATTAATGCAATTTATGAACCTACGGAAGAAGAATGTGAATGGAAACAGATGAAGAAGAT
 GAGATTTTCGGAGGAATTGAAAGAAAAGGCCAAGATTGAAGATGAGAAAAAGGATGAAGAAAAAGAAGACC
 CCAAAGGAATTCCTGAATTTTGGTTAACTGTTTTTAAGAATGTTGACTTGCTCAGTGATATGGTTCAGGA
 ACACGATGAACCTATTCTGAAGCACTTGAAAGATATTAAGTGAAGTTCTCAGATGCTGGCCAGCCTATG
 AGTTTTGTCTTAGAATTTCACTTTGAACCAATGAATATTTTACAAATGAAGTGTGACAAAGACATACA
 GGATGAGGTCAGAACCAGATGATTCTGATCCCTTTTCTTTGATGGACCAGAAATATGGGTTGTACAGG
 GTGCCAGATAGATTGAAAAAAGGAAAGAATGTCACTTTGAAACTATTAAGAAGAAGCAGAAACACAAG
 GGACGTGGGACAGTTCGTACTGTGACTAAACAGTTTCCAATGACTCTTTCTTTAACTTTTTGCCCCCTC
 CTGAAGTTCTGAGAGTGGAGATCTGGATGATGATGCTGAAGCTATCCTTGCTGCAGACTTCGAAATTGG
 TCACTTTTACGTGAGCGTATAATCCCAAGATCAGTGTTATATTTTACTGGAGAAGCTATTGAAGATGAT
 GATGATGATTATGATGAAGAAGGTGAAGAAGCGGATGAGGAAGGGAAGAAGAAGGAGATGAGGAAAATG
 ATCCAGACTATGACCCAAAGAAGGATCAAAACCCAGCAGAGTGCAAGCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220821 representing NM_004537
 Red=Cloning site Green=Tags(s)

MADIDNKEQSELDQDLDDVEVEVEEETGEETKLKARQLTVQMMQNPQILAAALQERLDGLVETPTGYIESL
 PRVVKRRVNALKNLQVKAQIEAKFYEEVHDLERKYAVLYQPLFDKRFEIINAIYEPTEECEWKPDEED
 EISEELKEKAKIEDEKKDEEKEDPKGIPEFWLTVFKNVDLLSDMVQEHDPEILKHLKDIKVFSDAGQPM
 SFVLEHFHFEPNFYFTNEVLTKTYRMRSEPDDSDPFSFDGPEIMGCTGCQIDWKKGNVTLTKIKKKQKHK
 GRGTVRVTYTKTVSNDSSFNFAPPEVPESGDLDDDAEAILAADFEIGHFLRERIIPRSVLFTGEAIEDD
 DDDYDEEGEEADEEGEEEGDEENDPDYDPKKDQNPAAECKQQ

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_004537

ORF Size: 1173 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_004537.3](#), [NP_004528.1](#)

RefSeq Size: 2908 bp

RefSeq ORF: 1176 bp

Locus ID: 4673

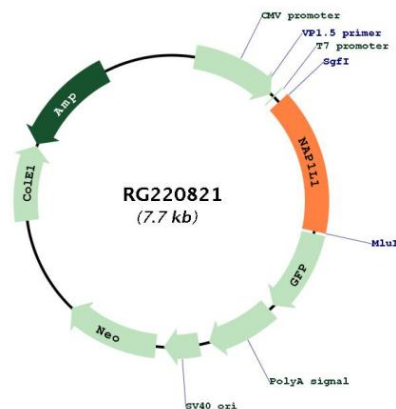
UniProt ID: [P55209](#)

Cytogenetics: 12q21.2

Domains: NAP

Gene Summary: This gene encodes a member of the nucleosome assembly protein (NAP) family. This protein participates in DNA replication and may play a role in modulating chromatin formation and contribute to the regulation of cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms; however, not all have been fully described. [provided by RefSeq, Apr 2015]

Product images:



Circular map for RG220821