

Product datasheet for **RG205257**

NAPIL2 (NM_021963) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NAPIL2
Synonyms:	BPX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205257 representing NM_021963
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCAAGTCAGAGAACCACAAGGAGCTGTCAGAATCCAGTCAAGAAGAGGCTGGTAATCAGATAATGG
 TGAAGGGCTCGGGGAACATCTGGAGCGCGGTGAAGATGCCGCTGCTGGGCTTGGAGACGATGGGAAGTG
 CGGTGAAGAAGCTGCCGCTGGGCTTGGGAAGAAGGGGAAAACGGTGAAGATACTGCTGCTGGGTCGGG
 GAAGATGGGAAAAAGGTGGCGATACTGATGAGGACTCAGAGGCAGACCGTCCAAAAGGACTTATCGGTT
 ATGTTTATGATACAGACTTTGTTGAAAGTCTACCTGTGAAAGTTAAGTACCGTGTGTTAGCCCTTAAAA
 GCTTCAAACTAGAGCGGCAATTTAGAATCCAAATTCCTGAGGGAATTTTCATGACATTGAAAGAAAGTTT
 GCTGAAATGTACCAACCTTACTGAAAAAGACGTCAGATCATCAATGCAATCTATGAACCTACAGAAG
 AGGAATGTGAATATAAATCAGACTCTGAGGACTGTGATGATGAGGAAATGTGTCATGAAGAGATGTATGG
 TAATGAGGAGGGTATGGTACATGAATATGTGGATGAGGACGATGGTTATGAGGACTATTATTATGATTAT
 GCTGTGGAAGAGGAGGAGGAGGAGGAGGAGGAGGACGACATTGAGGCTACTGGAGAAGAGAATAAAGAAG
 AGGAGGATCCTAAGGGAATTCCTGATTTTTGGCTAACTGTTTTAAAAACGTTGATACACTCACTCCTTT
 GATTAAGAAATATGATGAGCCTATTCTGAAGCTCCTGACAGATATTAAGTTAAGCTTTCAGATCCTGGC
 GAGCCCTCAGTTTCACACTAGAATTTCACTTCAAACCAATGAATATTTCAAAAATGAGTTGTTGACAA
 AGACCTATGTGCTGAAGTCAAAGCTAGCATATTATGATCCCCATCCCTATAGGGGAAGTGGATTGAGTA
 TTCCACAGGCTGTGAGATAGATTGGAATGAAGGAAAGAATGTCACTTTGAAAACCATCAAGAAGAAACAG
 AAACATCGGATCTGGGGAACAATCCGAACGTAACTGAAGATTTTCCCAAGGATTCATTTTTCAATTTTT
 TCTCTCTCATGGAATCACCTCAAATGGAAGGGATGGAATGATGATTTTTTACTTGGTCACAATTTACG
 TACTTACATAATTCCAAGATCAGTATTATTTTTCTCAGGTGATGCACTGGAATCTCAGCAGGAGGGGTA
 GTTAGAGAAGTTAATGATGCAATTTATGACAAAATTATTTATGATAATTGGATGGCTGCAATTGAGGAAG
 TTAAGCTTGTGCAAAACCTTGAGGCATTAGTAGAAGACATTGATCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205257 representing NM_021963
 Red=Cloning site Green=Tags(s)

MAKSENKELSESSQEEAGNQIMVEGLGEHLERGEDAAAAGLGGDGKCGEEAAAGLGEENGEDTAAGSG
 EDGKKGGDTDEDSEADRPKGLIGYVLDTFVESLPVKVKYRVLALKKLQTRAANLESKFLREFHDIERKF
 AEMYQPLLEKRRQIINAIYEPTTEEECEYKSDSEDCDDEEMCHEEMYGNEEGMVHEYVDEDDGYEDYYYDY
 AVEEEEEEEEEEDIEATGEENKEEEDPKGIPDFWLTVLKNVDLTLPLIKKYDEPILKLLTDIKVKLSDPG
 EPLSFTLEFHFKNFYKNELLTKTYVLKSKLAYDHPYRGTAIEYSTGCEIDWNEGKNVLTIKKKQ
 KHWIWTIRTVTEDFPKDSFFNFFSPHGITSNGRDGNDDFLLGHNLRITYIIPRSVLFFSGDALESQEGV
 VREVNDAIYDKIIYDNWMAAIEEVKACCKNLEALVEDIDR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021963

ORF Size: 1380 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.

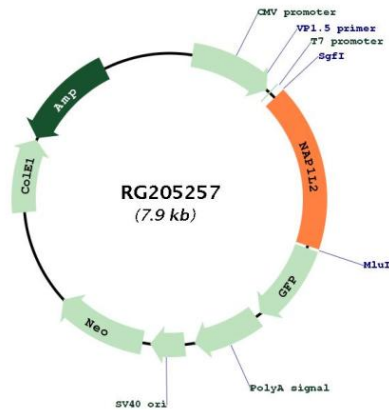
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021963.2](#), [NP_068798.1](#)

RefSeq Size: 2559 bp
 RefSeq ORF: 1383 bp
 Locus ID: 4674
 UniProt ID: [Q9ULW6](#)
 Cytogenetics: Xq13.2
 Domains: NAP

Gene Summary: The protein encoded by this intronless gene is a member of the nucleosome assembly protein (NAP) family. The encoded protein represents a class of tissue-specific factors that interact with chromatin to regulate neuronal cell proliferation. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RG205257