

## Product datasheet for **MG206803**

### Nusap1 (BC004787) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nusap1 (BC004787) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nusap1
Synonyms:	LNP, ANKT, SAPL, BM037, NuSAP, Q0310
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206803 representing BC004787 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGTCCCCTCTGCAGAGGAGCTGGACTCCTTCAAGTACAGCGACCTGCAAAATTTAGCCAAAAGGC  
TGGGCCTCCGGCTAACATGAAGGCAGACAAGTTGTTAAAAGCCTTGAAAGCACACCTGAATCCAGAAAC  
AAGGAAAGAAAATAAAAATCAGGATGAAAATCAATTCTCCACTGATGAACTGAGATACACGTTAGCAGT  
GAGGAGCAAGCTGAGACGGAATCAGGTGGTCACGTACCCAAAACGAGGAGGAGGAGGAGGAAGAAGCACA  
AGACCATCCATGGAATTCCTACCTCCCAGACTTTGTTGCAGGATCATTGGAGATGAAAGGAACTGATAG  
TAGTAACTTCCAAAATCAAGAAAATCAGGAAAATCAAGACCCAGGGATACAGCAGAAGTTCCTTCTCTG  
CCGGAGCAGAGGCCAGAGGACGGCAATGCGGCTTCTTCAGGAGAAGGAGAAGTAAATGACATTAAGATT  
CAAAGAAGCCTTTAGAAAAAGATCTCTATGCACGGATGAGTTTTCTAAACTTGGGAACAATAAAAGGAC  
TTCAGCCACAACACCAAACCTTTAAGAAGCTTCATGAGGCTCGTTTTAAGAAAATGGAATCCATTGATGAA  
TATATTAGGAAAAAGAAACACCTTAAAGAACACAGTTCACCTAATGAACTAAAGCTTGACAAAAAG  
GGATAGTGACCCAGTTCCTCCAAGAGGAAGGCTCTGTACCCTGTACTCCTGCCAGGCAGCAGTGCC  
ACAAGGCCACTCAGCACTAAAATGAATGTCAGGTTTTTCAGCTGCTACTAAAGACAATGAACATAAGTGC  
TCACTGACCAAGACACCAGCCAGAAAGTCTCCACAGTACTGCACCTGGGAGTGCTTCAAAGGCCAGG  
CTGTGTTTAGGACACCCAAGTCAAAGGCCACTGAAAGGACTTCTATTGCAGTTATTACCCCTTCAAGTT  
GATGACTGAAGCAACACAGACTCCAAGTTCTAGTAAGAAGCCAGTATTTGATCTCAAAGCAAGCTTGCT  
CGTCCCCTCAACTACAAGCCACACAAAGGAAAGCTGAAACCTTGGGGACAAGCTAAAGAGAACAATTCTC  
TGAACGAACGTGTAAGCAGAGTTACCTTCCACAGGAAAACCTTACAACAACCTCATCTCCAAACCAGGGA  
AGAACGATGGAAGAGACAAGAGCAAGAACGAAAGGAGAAGAAAAGCTTTTGGAAAGCTCGAAGAAAC  
CTGGGTGTGACTAAAGCCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206803 representing BC004787  
Red=Cloning site Green=Tags(s)

MTVPSAEELDSFKYSDLQNLAKRLGLRANMKADKLLKALKAHLPETRKENKNQDENQFSTDETEIHVSS  
 EEQAETESGGHVTKTRRRRRKKHKTIHGIPTSQTLQDHEMKGTDSSNFQENQENQDPRDTAEVPSL  
 PEQRPEDGNAASSGEGEVNDIKDSKKPLEKRSLCTDEF SKLGNKRTSATTPNFKKLHEARFKKME  
 SIDE YIMRKKHLKEHSSLNELKLDKKGIVTPVPPRGRLSVPCPTPARQQCPQGH SATKMNVRFS  
 AATKDNEHKC SLTKTPARKSPHVTAPGSASKGQAVFRTPKSKATERTSIAVITPFKLMTEATQTPSSSKKPVFDLKASLS  
 RPLNYPKPHKGLKPWGQAKENNSLNERVSRVTFHRKTYQPHLQTREERWKRQEQRKEKKEKLEARRN  
 LGVTKAQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC004787

**ORF Size:** 1283 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:** [BC004787](#), [AAH04787](#)

**RefSeq Size:** 2142 bp

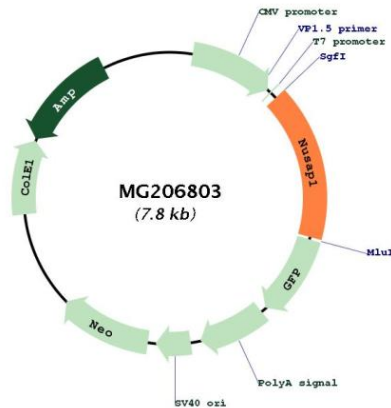
**RefSeq ORF:** 1283 bp

**Locus ID:** 108907

**Cytogenetics:** 2 E5

**Gene Summary:** Microtubule-associated protein with the capacity to bundle and stabilize microtubules. May associate with chromosomes and promote the organization of mitotic spindle microtubules around them.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG206803