

## Product datasheet for **MR206803**

### Nusap1 (BC004787) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nusap1 (BC004787) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nusap1
Synonyms:	LNP, ANKT, SAPL, BM037, NuSAP, Q0310
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206803 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCGTCCCCTCTGCAGAGGAGCTGGACTCCTTCAAGTACAGCGACCTGCAAAATTTAGCCAAAAGGC  
 TGGCCTCCGGGCTAACATGAAGGCAGACAAGTTGTTAAAAGCCTTGAAAGCACACTGAATCCAGAAAC  
 AAGGAAAAGAAAATAAAAATCAGGATGAAAATCAATTCTCCACTGATGAAACTGAGATACACGTTAGCAGT  
 GAGGAGCAAGCTGAGACGGAATCAGGTGGTCACGTACCACAAAACGAGGAGGAGGAGGAGGAAGAAGCACA  
 AGACCATCCATGGAATTCCTACCTCCAGACTTTGTTGCAGGATCATTGGAGATGAAAGGAACTGATAG  
 TAGTAACCTCCAAAATCAAGAAAATCAGGAAAATCAAGACCCAGGGATACAGCAGAAGTTCCTTCTCTG  
 CCGGAGCAGAGGCCAGAGGACGGCAATGCGGCTTCTTCAGGAGAAGGAGAAGTAAATGACATTAAGATT  
 CAAAGAAGCCTTTAGAAAAAGATCTCTATGCACGGATGAGTTTTCTAAACTTGGGAACAATAAAAGGAC  
 TTCAGCCACAACACCAAACCTTTAAGAAGCTTCATGAGGCTCGTTTTAAGAAAATGGAATCCATTGATGAA  
 TATATTATGAGGAAAAAGAAACACCTTAAAGAACACAGTTCACCTAATGAACTAAAGCTTGACAAAAAAG  
 GGATAGTGACCCAGTTCCTCCAAGAGGAAGGCTCTCTGTACCCTGTACTCCTGCCAGGCAGCAGTGCCC  
 ACAAGGCCACTCAGCACTAAAATGAATGTGAGTTTTTCAGCTGCTACTAAAGACAATGAACATAAGTGC  
 TCACTGACCAAGACACCAGCCAGAAAGTCTCCACACGTGACTGCACCTGGGAGTGCTTCAAAGGCCAGG  
 CTGTGTTTAGGACACCCAAGTCAAAGGCCACTGAAAGGACTTCTATTGCAGTTATTACCCCTTTCAAGTT  
 GATGACTGAAGCAACACAGACTCCAAGTTCTAGTAAGAAGCCAGTATTTGATCTCAAAGCAAGCTTGCT  
 CGTCCCCTCAACTACAAGCCACACAAAGGAAAGCTGAAACCTTGGGACAAGCTAAAGAGAACAATTCTC  
 TGAACGAACGTGTAAGCAGAGTTACCTTCCACAGGAAAACCTTACAAACAACCTCATCTCCAAACCCAGGGA  
 AGAACGATGGAAGAGACAAGAGCAAGAACGAAAGGAGAAGAAAGAAAAGCTTTTGAAGCTCGAAGAAAC  
 CTGGGTGTGACTAAAGCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206803 protein sequence  
 Red=Cloning site Green=Tags(s)

MTVPSAEELDSFKYSDLQNLAKRLGLRANMKADKLLKALKAHLPETRKENKNQDENQFSTDETEIHVSS  
 EEQAEETESGGHVTKTRRRRRKHKTIHGIPTSQTLQDHLEMKGTDSNFFQNQENQENQDPRDTAEVPSL  
 PEQRPEDGNAASSGEGEVNDIKDSKKPLEKRSLCTDEF SKLGNNKRTSATTPNFKKLHEARFKKMESIDE  
 YIMRKKKHLKEHSSLNELKLDKKGIVTPVPPRGRLSVPCTPARQQCPQGHSA TKMNVRFSAATKDNEHKC  
 SLTKTPARKSPHVTAPGSASKGQAVFRTPKSKATERTSIAVITPFKLMTEATQTPSSSKKPVFDLKASLS  
 RPLNYPHKGLKLPWQAKENNSLNERVSRVTFHRKTYKQPHLQTRERWKRQEQRKEKKEKLEARRN  
 LGVTKAQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC004787

**ORF Size:** 1281 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

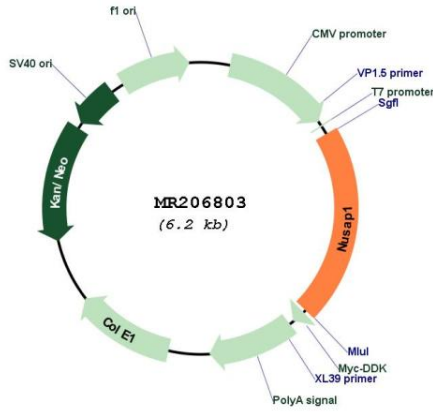
**Cytogenetics:** 2 E5

**MW:** 48.6 kDa

**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 MR206803