

Product datasheet for **MG206807**

Nusap1 (BC100392) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nusap1 (BC100392) 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:	>MG206807 representing BC100392 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGTCCCCTCTGCAGAGGAGCTGGACTCCTTTAAGTACAGCGACCTGCAAAATTTAGCCAAAAGGC
TGGGCCTCCGGGCTAACATGAAGGCAGACAAGTTGTTAAAAGCCTTGAAAGCACACCTGAATCCAGAAAC
AAGGAAAGAAAAATAAAATCAGGATGAAAATCAATTCCTCACTGATGAACTGAGATACACGTTAGCAGT
GAGGAGCAAGCTGAGACGGAATCAGGTGGTCACGTACCCAAAACGAGGAGGAGGAGGAGGAAGAAGCACA
AGACCATCCATGGAATTCCTACCTCCCAGACTTTGTTGCAGGATCATTGGAGATGAAAGGAACTGATAG
TAGTAACCTCCAAAATCAAGAAAATCAGGAAAATCAAGACCCAGGGATACAGCAGAAGTTCCTTCTCTG
CCGGAGCAGAGGCCAGAGGACGGCAATGCGGCTTCTTCAGGAGAAGGAGAAGTAAATGACATTAAGATT
CAAAGAAGCCTTTAGAAAAAGATCTCTATGCACGGATGAGTTTTCTAACTTGGGAACAATAAAAGGAC
TTCAGCCACAACACCAAACCTTTAAGAAGCTTCATGAGGCTCGTTTTAAGAAAATGGAATCCATTGATGAA
TATATTAGAGGAAAAAGAAACACCTTAAAGAACACAGTTCACCTAATGAACTAAAGCTTGACAAAAAG
GGATAGTGACCCAGTTCCTCCAAGAGGAAGGCTCTGTACCCTGTACTCCTGCCAGGCAGCAGTGCC
ACAAGGCCACTCAGCACTAAAATGAATGTCAGGTTTTTCAGCTGCTACTAAAGACAATGAACATAAGTGC
TCACTGACCAAGACACCAGCCAGAAAGTCTCCACAGTACTGCACCTGGGAGTGCTTCAAAGGCCAGG
CTGTGTTCAAGCACCCCAAGTCAAAGGCCACTGAAAGGACTTCTATTGCAGTTATTACCCCTTCAAGTT
GATGACTGAAGCAACACAGACTCCAAGTCTAGTAAGAAGCCAGTATTTGATCTCAAAGCAAGCTTGCTC
CGTCCCCTCAACTACAAGCCACACAAAGGAAAGCTGAAACCTTGGGGACAAGCTAAAGAGAACAATTCTC
TGAACGAACGTGTAAGCAGAGTTACCTTCCACAGGAAAACCTTACAACAACCTCATCTCCAAACCAGGGA
AGAACGATGGAAGAGACAAGAGCAAGAACGAAAGGAGAAGAAAAGCTTTTGGAAAGCTCGAAGAAAC
CTGGGTGTGACTAAAGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206807 representing BC100392
Red=Cloning site Green=Tags(s)

MTVPSAEELDSFKYSDLQNLAKRLGLRANMKADKLLKALKAHLPETRKENKNQDENQFSTDETEIHVSS
 EEQAEETESGGHVTKTRRRRRKKHKTIHGIPTSQTLQDHEMKGTDSSNFQENQENQDPRDTAEVPSL
 PEQRPEDGNAASSGEGEVNDIKDSKKPLEKRSLCTDEF SKLGNKRTSATTPNFKKLHEARFKKME
 SIDE YIMRKKHLKEHSSLNELKLDKKGIVTPVPPRGRLSVPCPTPARQQCPQGHSA TKMNVRFSA
 ATKDNEHKC SLTKTPARKSPHVTAPGSASKGQAVFRTPKSKATERTSIAVITPFKLMTEATQTPSS
 SKKPVFDLKASLS RPLNYPHKGKLPWGQAKENNSLNERVSRVTFHRKTYQPHLQTREERWKRQEQ
 ERKEKKEKLEARRN LGVTKAQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC100392

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: [BC100392](#), [AAI00393](#)

RefSeq Size: 2608 bp

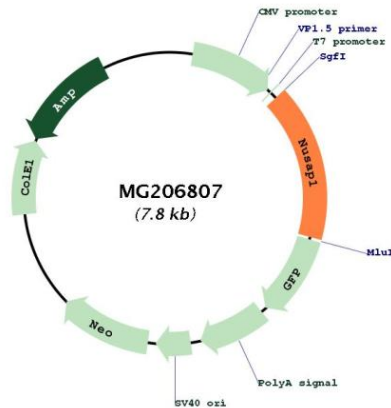
RefSeq ORF: 1283 bp

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 MG206807