

Product datasheet for **RG234062**

NUSAP1 (NM_001243143) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUSAP1 (NM_001243143) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUSAP1
Synonyms:	ANKT; BM037; LNP; NUSAP; PRO0310p1; Q0310; SAPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234062 representing NM_001243143 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCATCCCCTCTCTAGAGGAGCTGGACTCCCTCAAGTACAGTGACCTGCAGAACTTAGCCAAGAGTC
 TGGGTCTCCGGGCCAACCTGAGGGCAACCAAGTTGTTAAAGCCTTGAAAGGCTACATTAACATGAGGC
 AAGAAAAGGAAATGAGAATCAGGATGAAAGTCAAACCTTCTGCATCCTCTTGTGATGAGACTGAGATACAG
 ATCAGCAACCAGGAAGAAGCTGAGAGACAGCCACTTGGCCATGTCACCAAAACAAGGAGAAGGTGAAGA
 CTGTCCGTGTGGACCCTGACTCACAGAATCATGAAAAGCAGGAAAGCCAGGATCTCAGAGCTACTGCAAA
 AGTTCTTCTCCACCAGACGAGCACCAAGAAGCTGAGAATGCTGTTTCCTCAGGTAAACAGAGATTCAAAG
 GTACCTTCAGAAGGAAAGAAATCTCTCTACACAGATGAGTCATCCAAACCTGGAAAAATAAAAGAACTG
 CAATCACTACTCCAACTTTAAGAAGCTTCATGAAGCTCATTTTAAGGAAATGGAGTCCATTGATCAATA
 TATTGAGAGAAAAAGAAACATTTTGAAGAACACAATTCATGAATGAAGTGAAGCAGCAGCCCATCAAT
 AAGGGAGGGGTGAGGACTCCAGTACCTCCAAGAGGAAGACTCTCTGTGGCTTCTACTCCCATCAGCCAAC
 GACGCTCGCAAGGCCGGTCTTGTGGCCCTGCAAGTCAGAGTACCTTGGGTCTGAAGGGGTCACTCAAGCG
 CTCTGCTATCTCTGCAGCTAAAACGGGTGTCAGGTTTTAGCTGCTACTAAAGATAATGAGCATAAGCGT
 TCACTGACCAAGACTCCAGCCAGAAAGTCTGCACATGTGACCGTGTCTGGGGGCACCCAAAAGGCGAGG
 CTGTGCTTGGGACACACAAATTAAGACCATCACGGGGAATTCTGCTGCTGTTATTACCCCATTCAGTT
 GACAACCTGAGGCAACGCAGACTCCAGTCTCCAATAAGAAACCAAGTGTGTTGATCTTAAAGCAAGTTGTCT
 CGTCCCCTCAACTATGAACACACAAAGGAAAGCTAAAACCATGGGGGCAATCTAAAGAAAAAATTATC
 TAAATCAACATGTCAACAGAATTAACCTTCTACAAGAAAACCTACAAACAACCCCATCTCCAGACAAAGGA
 AGAGCAACGGAAGAAACGCGAGCAAGAAGCAAGGAGAAGAAAGCAAAGTTTGGGAATGCGAAGGGGC
 CTCATTTTGGCTGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG234062 representing NM_001243143
 Red=Cloning site Green=Tags(s)

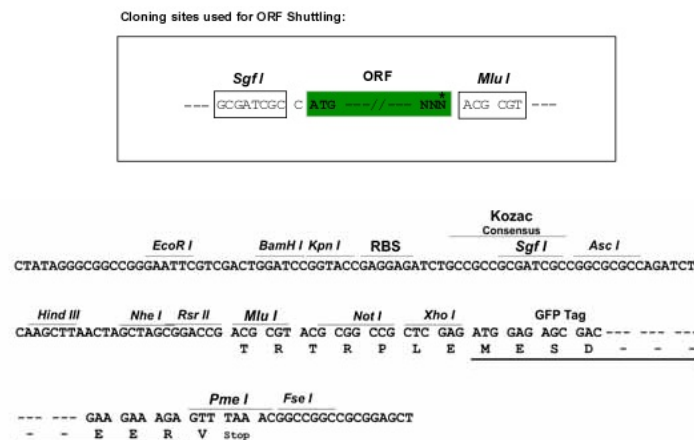
MIIPSLEELDSLKYSDLQNLAKSLGLRANLRATKLLKALKGYIKHEARKGNENQDESQTSASSCDETEIQ
 ISNQEEAERQPLGHVTKTRRRCKTVRVPDSQNHEKQESQDLRATAKVPSPDEHQEAENAVSSGNRDSK
 VPSEGKSLYTDESSKPGKNKRTAITTPNFKKLHEAHFKEMESIDQYIERKKKHFEHNMSMELKQQPIN
 KGGV RTPVPPRGRLSVASTPISQRRSQGRSCGPASQSTLGLKGLKRSALSAAKTGVRFSAATKDNEHNR
 SLTKTPARKSAHVTVSGGTPKGEAVLGTHKLKTIITGNSAAVITPFKLTTEATQTPVSNKKPVFDLKASLS
 RPLNYPHKGKLPWGQSKENNYLNQHVNRINFYKKTYPHLQTKEEQKKREKERKEKKAVLGMRRG
 LILAED

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001243143

ORF Size: 1278 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: [NM_001243143.2](#)

RefSeq Size: 2426 bp

RefSeq ORF: 1281 bp

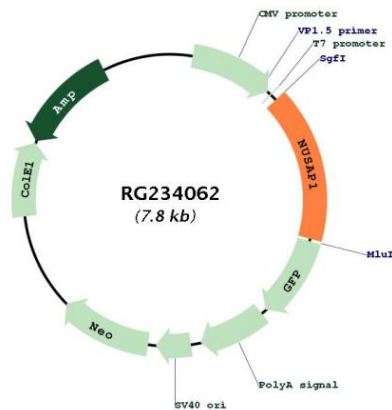
Locus ID: 51203

UniProt ID: [Q9BXS6](#)

Cytogenetics: 15q15.1

Gene Summary: NUSAP1 is a nucleolar-spindle-associated protein that plays a role in spindle microtubule organization (Raemaekers et al., 2003 [PubMed 12963707]).[supplied by OMIM, Jun 2009]

Product images:



Circular map for RG234062