

Product datasheet for **RG233922**

NUSAP1 (NM_001243144) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUSAP1 (NM_001243144) 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:	>RG233922 representing NM_001243144 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATCATCCCCTCTCTAGAGGAGCTGGACTCCCTCAAGTACAGTGACCTGCAGAACTTAGCCAAGAGTC
 TGGGTCTCCGGGCAACCTGAGGGATGAAAGTCAAACCTTCTGCATCCTCTTGTGATGAGACTGAGATACA
 GATCAGCAACCAGGAAGAAGCTGAGAGACAGCCACTTGGCCATGTCACCAAAACAAGGAGAAGGTGCAAG
 ACTGTCCGTGTGGACCCTGACTCACAGCAGAATCATTAGAGATAAAAAAAGTAATCCCACTGAATTCC
 AGAATCATGAAAAGCAGGAAAGCCAGGATCTCAGAGCTACTGCAAAAGTTCCTTCTCCACCAGACGAGCA
 CCAAGAAGCTGAGAATGCTGTTTCCTCAGGTAACAGAGATTCAAAGGTACCTTCAGAAGGAAAGAAATCT
 CTCTACACAGATGAGTCATCCAACCTGGAATAAAGAACTGCAATCACTACTCCAACTTTAAGA
 AGCTTCATGAAGCTCATTTAAGGAAATGGAGTCCATTGATCAATATATTGAGAGAAAAAGAAACATTT
 TGAAGAACACAATTCCATGAATGAAGTGAAGCAGCCCATCAATAAGGGAGGGGTCAGGACTCCAGTACCT
 CCAAGAGGAAGACTCTCTGTGGCTTCTACTCCCATCAGCCAACGACGCTCGCAAGGCCGGTCTTGTGGCC
 CTGCAAGTCAGAGTACCTTGGGTCTGAAGGGTCACTCAAGCGCTCTGCTATCTCTGCAGCTAAACGGG
 TGTCAGGTTTTAGCTGCTACTAAAGATAATGAGCATAAGCGTTCACTGACCAAGACTCCAGCCAGAAAG
 TCTGCACATGTGACCGTGTCTGGGGCACCCAAAAGGCGAGGCTGTGCTTGGGACACACAAATTAAGA
 CCATCACGGGGAATTCTGCTGCTGGAAAGCTAAACCATGGGGGAATCTAAAGAAAATAATTATCTAAA
 TCAACATGTCAACAGAATTAACCTCTACAAGAAACTTACAAACAACCCCATCTCCAGACAAAGGAAGAG
 CAACGGAAGAAACGCGAGCAAGAACGAAAGGAGAAGAAAGCAAAGGTTTTGGGAATGCGAAGGGGCTCA
 TTTTGGCTGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233922 representing NM_001243144
 Red=Cloning site Green=Tags(s)

MIIPSLEELDSLKYSDLQNLAKSLGLRANLRDESQTSASSCDETEIQISNQEEAERQPLGHVTKTRRRCK
 TVRVDPDSQQNHSEIKISNPTEFQNHKEQESQDLRATAKVPSPDEHQEAENAVSSGNRDSKVPSEGGKS
 LYTDESSKPGKNKRTAITTPNFKKLHEAHFKEMESIDQYIERKKKHFEHNSMNELKQPINKGGVRTVPV
 PRGRLSVASTPISQRRSQGRSCGPASQSTLGLKGSLKRSASAAKTGVRFSAATKDNEHKRSLTKTPARK
 SAHVTVSGGTPKGEAVLGTHKLKTIITGNSAAGKLKPWGQSKENNYLNQHVNRINFYKKTYPHLQTKKEE
 QRKKREQERKEKKAKVLGMRRGLILAED

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001243144

ORF Size: 1134 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_001243144.2](#)

RefSeq Size: 2282 bp

RefSeq ORF: 1137 bp

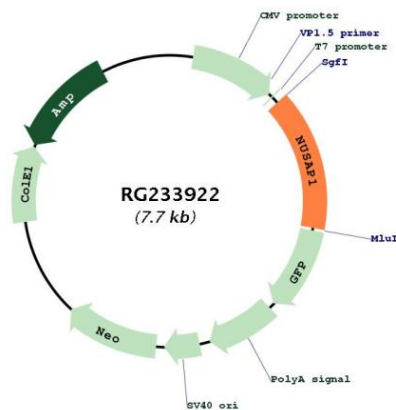
Locus ID: 51203

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 RG233922