

Product datasheet for **SC114338**

NUSAP1 (NM_016359) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUSAP1 (NM_016359) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUSAP1
Synonyms:	ANKT; BM037; LNP; NUSAP; PRO0310p1; Q0310; SAPL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114338 sequence for NM_016359 edited (data generated by NextGen Sequencing)

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ATGATCATCCCCTCTCTAGAGGAGCTGGACTCCCCTCAAGTACAGTGACCTGCAGAACTTA
GCCAAGAGTCTGGGTCTCCGGGCCAACCTGAGGGCANNCAAGTTGTTAAAAGCCTTGAAA
GGCTACATTAACATGAGGCAAGAAAAGGAAATGAGAATCAGGATGAAAGTCAAACCTTCT
GCATCCTCTTGTGATGAGACTGAGATACAGATCAGCAACCAGGAAGAAGCTGAGAGACAG
CCACTTGGCCATGTCACCAAAAACAAGGAGAAGGTGCAAGACTGTCCGTGTGGACCTGAC
TCACAGCAGAATCATTTCAGAGATAAAAAAAGTAATCCCCTGAATTCAGAATCATGAA
AAGCAGGAAAAGCCAGGATCTCAGAGCTACTGCAAAAAGTTCCTTCTCCACCAGACGAGCAC
CAAGAAGCTGAGAATGCTGTTTCTCAGGTAACAGAGATTCAAAGGTACCTTCAGAAGGA
AAGAAATCTCTACACAGATGAGTCATCCAAACCTGGAAAAAATAAAAGAACTGCAATC
ACTACTCCAAACTTTAAGAAGCTTCATGAAGCTCATTTTAAGGAAATGGAGTCCATTGAT
CAATATATTGAGAGAAAAAGAAACATTTTGAAGAACACAATCCATGAATGAACTGAAG
CAGCAGCCCATCAATAAGGGAGGGGTGAGGACTCCAGTACCTCCAAGAGGAAGACTCTCT
GTGGCTTCTACTCCCATCAGCCAACGACGCTCGCAAGGCCGGTCTGTGGCCCTGCAAGT
CAGAGTACCTTGGGTCTGAAGGGGTCACTCAAGCGCTCTGCTATCTCTGCAGCTAAAACG
GGTGTCAGGTTTTCAGCTGCTACTAAAGATAATGAGCATAAGCGTTCAGTACCAAGACT
CCAGCCAGAAAAGTCTGCACATGTGACCGTGTCTGGGGGCACCCCAAAAGGCGAGGCTGTG
CTTGGGACACACAAAATTAAGACCATCACGGGGAATTCTGCTGCTGTTATTACCCCATTC
AAGTTGACAACTGAGGCAACGCAGACTCCAGTCTCCAATAAGAAACCAAGTGTGTTGATCTT
AAAGCAAGTTTGTCTCGTCCCCTCAACTATGAACCACACAAAAGGAAAGCTAAAACCATGG
GGGCAATCTAAAGAAAATAATTATCTAAATCAACATGTCAACAGAATTAACCTTCTACAAG
AAAACCTTACAAACAACCCCATCTCCAGACAAAAGGAAGCAACGGAAGAAACGCGAGCAA
GAACGAAAGGAGAAGAAAAGCAAAGGTTTTGGGAATGCGAAGGGCCCTCATTTTGGCTGAA
GATTAA

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Clone variation with respect to NM_016359.4
 97 a=>n;98 c=>n

5' Read Nucleotide Sequence: >OriGene 5' read for NM_016359 unedited

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NTTGTTAGGATTTTGGTATACGACTCACTATAGGGCGGCCCGCAATCGGCACGAGGGGG
ATTTGAACCGCGCTGACGAAGTTTGGTATCCATCTTCCGAGTATCGCCGGGATTTGAA
TCGCGATGATCATCCCCTCTCTAGAGGAGCTGGACTCCCCTCAAGTACAGTGACCTGCAGA
ACTTAGCCAAGAGTCTGGGTCTCCGGGCCAACCTGAGGGCAGACAAGTTGTTAAAAGCCT
TGAAAGGCTACATTAACATGAGGCAAGAAAAGGAAATGAGAATCAGGATGAAAGTCAA
CTTCTGCATCCTCTTGTGATGAGACTGAGATACAGATCAGCAACCAGGAAGAAGCTGAGA
GACAGCCACTTGGCCATGTCACCAAAAACAAGGAGAAGGTGCAAGACTGTCCGTGTGGAC
CTGACTCACAGAATCATTTCAGAGATAAAAAAAGTAATCCCCTGAATTCAGAATCATG
AAAAGCAGGAAAAGCCAGGATCTCAGAGCTACTGCAAAAAGTTCCTTCTCCACCAGACGAGC
ACCAAGAAGCTGAGAATGCTGTTTCTCAGGTAACAGAGATTCAAAGGTACCTTCAGAAG
GAAAGAAATCTCTACACAGATGAGTCATCCAAACCTGGAAAAAATAAAAGAACTGCAA
TCACTACTCCAAACTTTAAGAAGCTTCATGAAGCTCATTTTAAGGAAATGGAGTCCATTG
ATCAATATATTGAGAGAAAAAGAAACATTTNTGAAGAACACAATCCATGAATGAACTGA
AGCAGCCCATCAATAAGGGAGGGGGTCAAGACTCCAGTACCTCCAAGAGGAGACTCTCTG
TGGCTTCTACTCCCATCAGCCAACGACGCTCGCNAGGCCGGTCTGTGGCCCTGCAAGTC
AAGTAACCTTGTTC

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016359 unedited GCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTGGACAATGAGAAAAATTTTA TTTATGACGATCTTGAGCAGTATAAACTCAGAAGCTCCACTGAGGTGAAGGAAACATGG ACATGATACTAAGCAAAGCCTAGTCTTTCCATAAAATGAATAAGAAGTACATTTGGTGG AGTTTGAGACCAGCCTGGGCAACACAGTGAGACCCTGTCTCTAAAAGCATTAAAGCATT ATCCTCGCATTTTCGATAGGGCTATGTAGCTTTAAGTAAGCAATGTTAGAATGAGTTGTA GAGTTTTATTTTGTGAATATAGTGAGTGACAGATGGCAATTACATGAGGATATTTGAAC GAAGGTACATAAGCCTAAACAATTTACCTAGGTAAAATATTGATGTCATAACCAAATA TATGGCCCGTTTCATAAAGTTACTATATTCTATAGAGAGTGAAGAGGTGGCCTTTCTA TCCCAGCTTACCCTATTCTTGTATTGTTCAAATTCTCCTGAAGCTTGCATAACTAGCTG CCATCAGGTAATGCTATTGGCTAGCAGAAGACTGCAGTTCTGTTAATATTAGAACCAGC AGGGGGAACCTGGGAACCTGACATTAATACTAGAAACAGAATTTAAGATGGGCTCTC GTTAGAAACCTGAATTGTTAATGGACTTAAGTAAAAACCATCCCAAAGAATTTGAGCTTT AAAGTGATAACGCTTTTTAGAGATCATAGCACATGAAGGACCCATGGACACTACACAGA CTATGAACAGTTAGCAGAAAAGAATCTCGTGACTAAAGTGGGGGATCGACAGCAAAAAAT AATCTACAAAGGGAAAAAAGTGAGATACAGGATATTTCAAGATGTNAAAAATNATTATTC TCAGCAAATGAGGCCCTTCGATTCCAAANCNTNNGCTNCTCTTNCGTCTGGCCCGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_016359
Insert Size:	2440 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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_016359.2 , NP_057443.1
RefSeq Size:	2471 bp
RefSeq ORF:	681 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).