

Product datasheet for **SC110538**

Septin 3 (SEPT3) (NM_019106) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Septin 3 (SEPT3) (NM_019106) Human Untagged Clone
Tag:	Tag Free
Symbol:	Septin 3
Synonyms:	bK250D10.3; SEP3; SEPT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_019106 edited
ATGTCAGAGCTGGTGCCTGAGCCCAGGCCTAAGCCAGCGGTGCCCATGAAGCCCATGAGC
ATCAACTCCAACCTGCTGGGCTACATCGGCATCGACACCATCATCGAGCAGATGCGCAAG
AAGACCATGAAGACCGGTTTCGACTTCAACATCATGGTCGTTGGCCAGAGTGGACTGGGC
AAATCAACGCTGGTCAACACGCTCTTCAAATCCCAAGTGAGCCGCAAGGCCTCCAGCTGG
AACCGGGAGGAGAAGATCCCAAGACAGTGGAGATCAAAGCTATCGGGCATGTGATAGAG
GAAGGCGGTGCAAAATGAAGCTGACCGTCATCGACACCCAGGCTTTGGAGACCAATC
AACAAATGAAAACCTGCTGGGAGCCCATTGAGAAGTACATCAATGAGCAGTACGAGAAGTTC
CTGAAGGAGGAGGTCAACATCGCCAGGAAGAAACGCATCCCTGACACTCGTGTCCACTGC
TGCCTTTACTTTCATCTCTCCACAGGACACTCCTTGCACCTCTGGATCTTGAGTTCATG
AAACACCTCAGCAAGGTTGTGAACATCATCCCTGTCATTGCTAAGGCTGACACCATGACC
CTGGAGGAGAAGTCTGAATTCAGCAAAGGTTTCGCAAGGAGCTTGAAGTAAATGGCATT
GAATTCACCCCCAGAAGGAATTTGATGAGGATTTGGAGGATAAGACGGAGAATGACAAA
ATCAGGCAGGAGAGCATGCCTTTTGTGTGGTGGGAAGTGACAAGGAGTACCAAGTGAAT
GGCAAGAGGGTCTCGGCCGAAAACTCCATGGGGATCATCGAAGTGGAAAACCTCAAC
CACTGTGAGTTTGCCTGCTTCGAGACTTTGTATCAGGACCCACCTCCAGGACCTCAAG
GAAGTGACACACAACATCCACTATGAGACTTACAGGGCCAAGCGGCTCAATGACAATGGA
GGCCTCCCTCCGGTGAGCGTGGACACAGAGGAAAGCCACGACAGTAACCCATGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_019106 unedited NTGTCAGATTTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACGAGGGCGGGTGG GAGGAGACGCGAAGGGCGAGGCCGTTTGCAGGGGCCGCTCGGCCGGGAAGCCCGCGC CCCGCTCAGCCTTGCAGCCCCGCGCCGGAGCATCTCCCTGGAGGAACGGAGACAAAGGA GGATTCATGTCCAAGGGCTCCCAGAGACCAGGACGGACGACGCCATGTCAGAGCTGGTG CCTGAGCCCAGGCCTAAGCCAGCGGTGCCATGAAGCCCATGAGCATCAACTCCAACCTG CTGGGCTACATCGGCATCGACACCATCATCGAGCAGATGCGCAAGAAGACCATGAAGACC GGTTTCGACTTCAACATCATGGTCGTTGGCCAGAGTGGACTGGGCAAATCAACGCTGGTC AACACGCTCTTCAAATCCAAGTGAGCCGCAAGGCCTCCAGCTGGAACCGGGAGGAGAAG ATCCCCAAGACAGTGGAGATCAAAGCTATCGGGCATGTGATAGAGGAAGGCGGTGTCAA ATGAAGCTGACCGTCATCGACACCCAGGCTTTGGAGACCAAATCAACAATGAAAAGTGC TGGGAGCCATTGAGAAGTACATCAATGAGCAGTACGAGAAGTTCCTGAAGGAGGAGGTC AACATCGCCAGGAAGAAACGCATCCCTGACACTCGTGTCCACTGCTGCCTTTACTTCATC TCTCCACAGGACTCCTTGCACCTCTGGATCTTGAGTTCATGANACACCTCAGCAAG GTTGTGAACATCATCCCTGTCATTGCTAAGGCTGACACCATGACCCTGGAGGAGAAGTCT GAATTCAGCCAAGGGTTCGCAAGAGCTGAAGTAAATGGCATTGAATTCTACCCCANAA GAATTTGTAGA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_019106 unedited TTTTTTTTTTTTTTACTGTTCAAACAGCAATGTTTAGTTGTACAACACATAAAGTCTA GCAACAATTACAGGACCAGTTTGTAGTGTCTGTTTGTCTTTTCAATTGGGAAATTTAAC TGTAATGTACCCTAAGATTGGCTGGGACTGGTAACATTTAAGAAACGGGTTGTTCTTGC ATCCCCTAGGCGTGGCCTCTTGTCCATCAGGACTTGGTTGTAGATGAATGGCCACAA GTACCAGCCTTTGAGCAAGTTGTGTCCAGGTGGAGACAGGAAGAGGGTGGGCAAAGGGG AATTCTATAAAGACACAGTGTGTGGGCGAGTGGCAGTCAACATTCGAAACATTCATGCA TCTGATGGGGGGCTTTGCCCTCCCTTGGGTATTTTCCATTAGCCTACAGTGACCACCTGT GGTGAGGCTAATTCATTACTCACATTAATGGGGAAGGGGGTGGGGGTAGGAGA
Restriction Sites:	NotI-NotI
ACCN:	NM_019106
Insert Size:	4260 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:	<u>NM_019106.4</u> , <u>NP_061979.2</u>
RefSeq Size:	4607 bp

RefSeq ORF: 1014 bp

Locus ID: 55964

UniProt ID: [Q9UH03](#)

Cytogenetics: 22q13.2

Domains: GTP_CDC

Gene Summary: This gene belongs to the septin family of GTPases. Members of this family are required for cytokinesis. Expression is upregulated by retinoic acid in a human teratocarcinoma cell line. The specific function of this gene has not been determined. Alternative splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, May 2018]

Transcript Variant: This variant (B) differs in the 5' UTR and coding sequence and in the 3' UTR and coding sequence compared to variant C. The resulting isoform (B) has shorter and distinct N- and C-termini compared to isoform C.