

Product datasheet for **SC124275**

Septin 3 (SEPT3) (NM_145733) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Septin 3 (SEPT3) (NM_145733) 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 within SC124275 sequence for NM_145733 edited (data generated by NextGen Sequencing)

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ATGTCCAAGGGCTCCCAGAGACCAGGACGGACGCAGCCATGTGACAGCTGGTGCCTGAG
CCCAGGCCTAAGCCAGCGGTGCCATGAAGCCCATGAGCATCAACTCCAACCTGCTGGGC
TACATCGGCATCGACACCATCATCGAGCAGATGCGCAAGAAGACCATGAAGACCGTTTC
GACTTCAACATCATGGTCGTTGGCCAGAGTGGACTGGGCAAAATCAACGCTGGTCAACAG
CTCTTCAAATCCAAGTGAGCCGCAAGGCCTCCAGCTGGAACCGGGAGGAGAAGATCCCC
AAGACAGTGGAGATCAAAGCTATCGGGCATGTGATAGAGGAAGGCGGTGTCAAAATGAAG
CTGACCGTCATCGACACCCAGGCTTTGGAGACCAAATCAACAATGAAAAGTCTGGGAG
CCCATTGAGAAGTACATCAATGAGCAGTACGAGAAGTTCCTGAAGGAGGAGGTCAACATC
GCCAGGAAGAAACGCATCCCTGACTCGTGTCCACTGCTGCCTTTACTTCATCTCTCCC
ACAGGACTCCTTGCGACCTCTGGATCTTGAGTTCATGAAACACCTCAGCAAGGTTGTG
AACATCATCCCTGTCAATTGCTAAGGCTGACACCATGACCCCTGGAGGAGAAGTCTGAATTC
AAGCAAAGGGTTCGCAAGGAGCTTGAAGTAAATGGCATTGAATTCACCCCCAGAAGGAA
TTTGATGAGGATTTGGAGGATAAGACGGAGAATGACAAAATCAGGCAGGAGAGCATGCCT
TTTGCTGTGGTGGGAAGTGACAAGGAGTACCAAGTGAATGGCAAGAGGGTCTCGGCCGA
AAAACCTCATGGGGGATCATCGAAGTGGAAAACCTCAACCACTGTGAGTTGCCCTGCTT
CGAGACTTTGTCATCAGGACCCACCTCCAGGACCTCAAGGAAGTGACACACAACATCCAC
TATGAGACTTACAGGGCCAAGCGGCTCAATGACAATGGAGGCCTCCCTCCGGGAGAAGGC
CTCCTGGGCACTGTCTTCCACCTGTGCCAGCCACCCCTGCCCACTGCTGAATGA
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Clone variation with respect to NM_145733.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145733 unedited</p> <pre>AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCTCAGCCTTGACGCCCCG CGCCCGGAGCATCTCCCTGGAGGAACGGAGACAAAGGAGGATTATGTCCAAAGGGCTCC CAGAGACCAGGACGGACGACGCCATGTCAGAGCTGGTGCCTGAGCCCAGGCTAAGCCAG CGGTGCCCATGAAGCCATGAGCATCAACTCCAACCTGCTGGGTACATCGGCATCGACA CCATCATCGAGCAGATGCGCAAGAAGACCATGAAGACCGGTTTCGACTTCAACATCATGG TCGTTGGCCAGAGTGGACTGGGCAATCAACGCTGGTCAACACGCTCTTCAAATCCCAAG TGAGCCGCAAGGCTCCAGCTGGAACCGGAGGAGAAGATCCCAAGACAGTGGAGATCA AAGCTATCGGGCATGTGATAGAGGAAGGCGGTGTCAAATGAAGCTGACCGTCATCGACA CCCCAGGCTTTGGAGACCAATCAACAATGAAAAGTCTGGGAGCCATTGAGAAGTACA TCAATGAGCAGTACGAGAAGTTCCTGAAGGAGGAGGTCAACATCGCCAGGAAGAAACGCA TCCCTGACACTCGTGTCCACTGCTGCCTTACTTTCATCTCTCCACAGGACACTCCTTGC GACCTCTGGATCTTGAGTTCATGAAACACCTCAGCAAGGTTGTGAACATCATCCCTGTCA TTGCTAAGGCTGACACCATGACCCTGGAGGAGAAGTCTGAATTCAGCAAGGTTTCGCAA GGAGCTTGAAGTANATGGCATTGAATTCTACCCCAAAGGAATTTGATGAGGATTGGNAG GGATAGACNGAGAATGACANAATCAGGCAGGAGAGCATGCCCTTGTCTGGTGGGAAAGT GACAGGAGTACCNAGTGTGGGAGAGCNCCTCNGCGAAAACCTCATGGNGGATCATCGAG TGGAAACCCTCACCTGTGGA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_145733 unedited</p> <pre>TATGGACCGCGCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTACTGGTCAAACCGCAATGTTTAGTTGTACAACACATAAA GTCTAGCAACAATTACGGGACCCGTTTGGGTGGCTGTTTGCTTGTTCATTGGGAAAT TTAACTGTAATGTCCCGTAAGATTGGCTGGGACTGGGAACCTTAAAAAACCGGTTGTT CTTGCCTCCCCTCAGCGGGGCCTTTTGGTCCATCCCGACCTGGTTGTAATAAATGGCC CACAAGTTACCAACCTTTTAGCAAGTTGTGTCCCGCTGGACACCGGAAAGGGTGGGCAA AGGGGAATTTTAAAAACCCCGTGGGGGGCAATCCAGTCAACATTCGCAACATTT CTGCGTTTTATGGGGGGTTTTCCCCCCTAGGGGTTTCTCCCTTCCCCTTACGTGGCC ACCTGTTGGTACGGCTCTTGCTCCCTACGATAACCCGGGAAACGGGTTGTGGGGCGC CAGTTGCTTCGGCCGTGCTGCGTTTACGCCCCGATATCCCCCGCACCCGCTACCCGCAAC CCTTGTGACCTAAGCGGCCGCCGACACCTCTAGTATTGTTGTCTGCGTCGGCAGTGTG TGGCGGTTGTCCGACACAGTCTGGATTATGCCATCCGCGTGGGGCGTACGACGGCACA GGTTGGCGGGGGGCACGTTTCTTATCCACGTTCCGATTGTCCGCGGCGGTTATCGCT GGCGCATGCACTCCCGATCCCGAATACGCGATTGCCCCCTCGCGGCCCGCCACCTGTGCC ACCATGGCCCTAATGAGTATTTTCGCGTCAGCGACAGGCACAACATAGAACGCACATTC CCTGCTCGCCAATCGGTGCGTCCCGAGGCGGCGACGCGCGCAACCACGCACGAAAGG AATGTTCTCCAGACTTGTAAACATCTCGCTACTGACGTGGACTCTCGCGTCAG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145733
Insert Size:	2600 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:

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_145733.1](#), [NP_663786.1](#)

RefSeq Size: 2249 bp

RefSeq ORF: 1038 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(A) differs in the 5' UTR and coding sequence compared to variant C. The resulting isoform (A) has a shorter and distinct N-terminus compared to isoform C.