

## Product datasheet for SC317568

### 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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317568 representing NM_145733. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCAAAGGGCTCCCAGAGACCAGGACGGACGCAGCCATGTCAGAGCTGGTGCCTGAGCCAGGCCT
AAGCCAGCGGTGCCATGAAGCCATGAGCATCAACTCCAACCTGCTGGGCTACATCGGCATCGACACC
ATCATCGAGCAGATGCGCAAGAAGACCATGAAGACCGGTTTCGACTTCAACATCATGGTCGTTGGCCAG
AGTGGACTGGGCAAATCAACGCTGGTCAACACGCTCTTCAAATCCCAAGTGAAGCCGCAAGGCCTCCAGC
TGAACCCGGGAGGAGAAGATCCCAAGACAGTGGAGATCAAAGCTATCGGGCATGTGATAGAGGAAGGC
GGTGTCAAATGAAGCTGACCGTCATCGACACCCAGGCTTTGGAGACCAAATCAACAATGAAACTGC
TGGGAGCCATTGAGAAGTACATCAATGAGCAGTACGAGAAGTTCTGAAGGAGGAGGTCAACATCGCC
AGGAAGAAACGCATCCCTGACACTCGTGTCCACTGCTGCCTTTACTTCATCTCTCCACAGGACACTCC
TTGCGACCTCTGGATCTTGAGTTCATGAAACACCTCAGCAAGGTTGTGAACATCATCCCTGTCATTGCT
AAGGCTGACACCATGACCCTGGAGGAGAAGTCTGAATCAAGCAAAGGGTTCGCAAGGAGCTTGAAGTA
AATGGCATTGAATTCTACCCCAAGAAGGAATTTGATGAGGATTTGGAGGATAAGACGGAGAATGACAAA
ATCAGGCAGGAGAGCATGCCTTTTGTGTGGTGGGAAGTGACAAGGAGTACCAAGTGAATGGCAAGAGG
GTCCTCGGCCGAAAACTCCATGGGGATCATCGAAGTGGAAAACCTCAACCACTGTGAGTTTGCCTGT
CTTCGAGACTTTGTCATCAGGACCCACCTCCAGGACCTCAAGGAAGTGACACACAACATCCACTATGAG
ACTTACAGGGCCAAGCGGCTCAATGACAATGGAGGCTCCCTCCGGGAGAAGGCCTCCTGGGCACTGTC
CTTCCACCTGTGCCAGCCACCCCTGCCCACTGCTGAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_145733



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<b>Insert Size:</b>	1077 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145733.2</a>
<b>RefSeq Size:</b>	2469 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	55964
<b>UniProt ID:</b>	<a href="#">Q9UH03</a>
<b>Cytogenetics:</b>	22q13.2
<b>Domains:</b>	GTP_CDC
<b>MW:</b>	40.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>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.</p>