

Product datasheet for **SC319660**

SEPTIN1 (NM_052838) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEPTIN1 (NM_052838) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEPTIN1
Synonyms:	DIFF6; LARP; PNUTL3; SEP1; SEPT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_052838.2

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GGCGGAGTCATGGACAAGGAGTACGTGGGTTTTGCTGCCCTCCCCAACCAGCTGCACCGC
AAGTCTGTCAAGAAGGGTTTGACTTCACGCTAATGGTGGCAGGGGAGTCAGGCCTAGGG
AAATCCACCCTCATCAACAGCCTCTTCCTCACCAACCTCTATGAGGATCGCCAGGTGCCA
GAGGCCAGTGCTCGCTTGACACAGACCCTGGCCATTGAGCGCCGGGGCGTAGAGATTGAG
GAAGGGGGTGTGAAAGTGAAGCTGACCCTTGTTGGACACACCTGGCTTTGGGGACTCAGTG
GACTGCTCTGACTGCTGGCTTCCGGTGGTGAATTCATCGAGGAGCAATTTGAGCAGTAC
CTTAGGGATGAGAGTGGCCTGAACCGGAAGAATCCAGGACTCCCGAGTCCACTGCTGC
CTCTACTTCATCTCACCTTCGGCCGGGGGCTCCGGCCCTAGATGTGGCCTTCTCCGG
GCAGTACACGAGAAAGTCAACATCATCCCAGTCATTGGCAAAGCGGATGCTCTGATGCCC
CAGGAAACCCAGGCCCTCAAGCAGAAGATCCGGGATCAGTTGAAGGAAGAGGAGATCCAC
ATCTACCAGTTCCCCGAATGTGACTCTGATGAAGATGAAGACTTCAAGAGGCAGGATGCA
GAGATGAAGGAAAGCATCCCTTTTGCAGTCGTGGGATCATGCGAGGTGGTGAAGGATGGC
GGGAACCGGCCGGTGAGGGGACGCCGCTACTCCTGGGGGACCGTGAGAGTGGAGAACCCA
CATCACTGCGATTTCTGAACCTGCGACGGATGCTGGTGCAGACACACCTGCAGGACCTG
AAAGAGGTGACGACGATCTGCTCTACGAGGGCTACCGGGCCCGCTGCCTACAGAGCCTG
GCCCCGCTGGGGCTCGCGATCGAGCCAGCCGAGTAAGCTTTCCCGCCAGAGCGCCACA
GAGATCCCGCTGCCATGCTGCTCTGGCGGACACCGAGAAGCTGATCCGCGAGAAAGAC
GAAGAGCTGCGCCGATGCAAGAGATGCTGGAGAAGATGCAGGCCAAATGCAGCAGAGC
CAGGCCCAGGGGAGCAGTCAGACGCCCTCTGAGGCCACGCCCGCCCGGCTTACCTCG
GCTCCGCCTTCAGTCGGCCTCTTGTTCAATCCCCGCGCCCACTGCCCAGCGCCCCC
GGGACCTCCGCGGTGCCGCCCTCGCGCGGGCTAGGGGAGGTTCTCCAGCCTGAGTCC
GTAGCCCCGCCCCGGCGTGGTCCCGCCACCCAGACACCGCCCACTTCCCGCCCGGGG
CCTGCACAATCTCCGACGCATCACTGTCTTCCGGAGTCCCCCTTCTTCTCCAGACTCT
GTCTTCAATAAAAACTGAGCTTCCCGCGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_052838
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).
OTI Annotation:	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.
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:	<u>NM_052838.2</u> , <u>NP_443070.1</u>
RefSeq Size:	1634 bp
RefSeq ORF:	1104 bp
Locus ID:	1731
UniProt ID:	<u>Q8WYJ6</u>
Cytogenetics:	16p11.2
Domains:	GTP_CDC
Gene Summary:	This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis and the maintenance of cellular morphology. This gene encodes a protein that can form homo- and heterooligomeric filaments, and may contribute to the formation of neurofibrillary tangles in Alzheimer's disease. Alternatively spliced transcript variants have been found but the full-length nature of these variants has not been determined. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (2) represents the longer transcript.