

Product datasheet for **SC316535**

Septin 8 (SEPT8) (NM_001098811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Septin 8 (SEPT8) (NM_001098811) Human Untagged Clone
Tag:	Tag Free
Symbol:	Septin 8
Synonyms:	SEP2; SEPT8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC316535 representing NM_001098811.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCGGCCACCGACCTGGAGCGCTTCTCGAATGCAGAGCCAGAGCCCCGGAGCCTCTCCCTGGCGGC
CATGTGGGTTTCGACAGCCTCCCGACCACTGGTCAGCAAGTCGGTCACTCAGGGCTTCAGCTTCAAC
ATCCTCTGTGTGGGGGAGACCGGCATTGGCAAATCCACACTGATGAACACACTCTTCAACACGACCTTC
GAGACTGAGGAAGCCAGTCACCATGAGGCATGCGTGCGCCTGCGGCCCCAGACCTATGACCTCCAGGAG
AGCAACGTGCAGCTCAAGCTGACCATTGTGGATGCCGTGGGCTTTGGGGATCAGATCAATAAGGATGAG
AGTTACAGGCCCATAGTTGACTACATCGATGCGCAGTTTGAATATCTGCAGGAGGAGCTGAAGATC
CGCCGCTCGCTCTTCTGACTACCATGACACAAGGATCCACGTTTGCCTCTACTTCATCAGCCACAGGG
CACTCCCTGAAGTCTCTAGATCTAGTGACCATGAAGAACTAGACAGCAAGGTGAACATTATTCCCATC
ATCGCCAAGGCTGACACCATCTCAAGAGCGAGCTCCACAAGTTCAAGATCAAGATCATGGGCGAGTTG
GTCAGCAACGGGGTCCAGATCTACCAAGTCCCGACGGATGATGAGGCTGTTGCAGAGATTAACGCAGTC
ATGAATGCACATCTGCCCTTTGCCGTGGTGGGCAGCACCGAGGAGGTGAAGGTGGGGAACAAGCTGGTC
CGAGCACGGCAGTACCCCTGGGGAGTGGTGCAGGTGGAGAATGAGAATCACTGCGACTTCGTGAAGCTG
CGGGAGATGTTGATCCGGGTGAACATGGAAGACCTCCGCGAGCAGACCCACAGCCGGCACTACGAGCTC
TACCGGCGCTGCAAGTTGGAGGAGATGGGCTTTAGGACAGCGATGGTGACAGCCAGCCCTTCAGCCTA
CAAGAGACATACGAGGCCAAGAGGAAGGAGTTCCTAAGTGAGCTGCAGAGGAAGGAGGAAGAGATGAGG
CAGATGTTTGTCAACAAAGTGAAGGAGACAGAGCTGGAGCTGAAGGAGAAGGAAAGGGAGCTCCATGAG
AAGTTTGAGCACCTGAAGCGGGTCCACCAAGGAGGAGAAGCGCAAGGTGGAGGAAAAGCGCCGGGAAGT
GAGGAGGAGACCAACGCCTTCAATCGCCGGAAGGCTGCGGTGGAGGCCCTGCAGTCGAGGCCTTGAC
GCCACCTCGCAGCAGCCCTGAGGAAGGACAAGGACAAGAAGAACAGATCAGATATAGGAGCACACCAG
CCGGGCATGAGCCTCTCCAGCTCTAAGGTGATGATGACCAAGGCCAGTGTGGAGCCCTTGAAGTGCAGC
AGCTGGTGGCCGCCATACAGTCTGACGCTGCTGGTCAAGGATGCGACGTGGAGGGAAGGATTCTCT
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001098811

Insert Size: 1452 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).

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_001098811.1</u>
RefSeq Size:	2889 bp
RefSeq ORF:	1452 bp
Locus ID:	23176
UniProt ID:	<u>Q92599</u>
Cytogenetics:	5q31.1
MW:	55.8 kDa
Gene Summary:	This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014] Transcript Variant: This variant (1) encodes the longest isoform (a).