

Product datasheet for **SC211926**

SEPTIN7 (NM_001788) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SEPTIN7 (NM_001788) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SEPTIN7
Synonyms:	CDC3; CDC10; NBLA02942; SEPT7; SEPT7A
ACCN:	NM_001788
Insert Size:	2000 bp



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Insert Sequence: >SC211926 3'UTR clone of NM_001788
 The sequence shown below is from the reference sequence of NM_001788. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AAGAACAAGAAGAAAGGAAGATCTTTAACTCTCTATTGACCACCAGTTAACGTATTAGTTGCCAAT
ATGCCAGCTTGGACATCAGTGTTTGGTGGATCCGTTTGACCAATTTGCACCAGTTTTATCCATAATGAT
GGATTTAACAGCATGACAAAAATATTTTTTTTTTTTGTCTTGATGGAGATTAAGATGCCTTGAATTGT
CTAGGGTGTCTGTAAGTAAAGTAAAGAGCTCTAAGTACCTTTCCTACATTTTCTTTTTTATTAAC
AGATATCTTCAGTTAATGCAAGAGAACATTTTACTGTTGTACAATCATGTTCTGGTGGTTTGGATTGT
TACAGGATATCCAAAATAAAGGACTCTGGAAGATTTTCATTGAGGATAAATTGCCATAATATGATGC
AAACTGTGCTTCTATGATAATTACAATACAAAGTTCCATTGAGTGCAGCATATACAATAATGTAAT
TTAGTCTAACACAGTTGACCCTATTTTTGACACTTCCATTGTTTAAAAATACACATGGAAAAA
AACCTATATGCTTACTGTGCACCTAGAGCTTTTTATAACAACGCTTTTTGTTTGGTGGTGGAT
TCTTTAAATATATATTATTCTCATTAGTGCCCTCTTAGCCAGAATCTCATTACTGCTTCATTTTTGT
AATAACATTTAATTTAGATATTTCCATATATTGGCACTGCTAAAATAGAATATAGCATCTTTCATATG
GTAGGAACCAACAAGGAACTTTCTTTAACTCCCTTTTACACTTTATGGTAAGTAGCAGGGGGGAA
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TCTCTTTATTTTACTAGAAATGGGAATCATGGCCTCTGAAGAGAAAAAGTCACCATTCTGCATTTAG
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GTGATGTAATATTGTGTGAGGTCTTAAATACCTACAGTCGATGTACAAGAGTAGAGTATGTTGGGAA
GAAACTTTTCAGCTTAAGTTTGCCTCCTCTACAATGACATCTTTTATATGCTTGTCTCATTAGAAATGC
ATATGTGCTGATTTTCTAATTTAAGAGATACCATATCTCTCTATTCTATCTCTCATTGTATGC
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AGTTCTGGGATTACAGGCATGAGCCGTCATGCCTGGCCTCTGAGAACAGTTTCTGACTCATTAGATTA
GGTATACTCTCAAGTCCCTGAAACTGAAATTTTTTAACTGTAAGAGGGTAGTGTCTTTCTTTTC
TTAAGGTCAAGTACATAGATTTAATGTAATGCATAATTTAGGTAAGAAATTAATTAATGTAGCCTAG
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TAAGTCAATAGCAGAGAGATTGTTGTTGGGTGTTATTTTTTTCAGTTTTTGTGTTGAGAGATTGGGT
TAACACCTCTAGCCAAAATGTTTGGTTTTAGGGAGGCTAAACAATAACCTACTGAATTTGGAAAATGCA
AAGGTAATAATGATATAGACTGCCTGCTGAACTGGTTAAGTACTACTGCTTCTGGGAAATACTATTT
CAAAATCTATGTATTATAATAAATTTGTAAGACATTCATTATTCTACCATCCTAATGAAAACCT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACC GCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001788.6](#)

Summary:

This gene encodes a protein that is highly similar to the CDC10 protein of *Saccharomyces cerevisiae*. The protein also shares similarity with Diff 6 of *Drosophila* and with H5 of mouse. Each of these similar proteins, including the yeast CDC10, contains a GTP-binding motif. The yeast CDC10 protein is a structural component of the 10 nm filament which lies inside the cytoplasmic membrane and is essential for cytokinesis. This human protein functions in gliomagenesis and in the suppression of glioma cell growth, and it is required for the association of centromere-associated protein E with the kinetochore. Alternative splicing results in multiple transcript variants. Several related pseudogenes have been identified on chromosomes 5, 7, 9, 10, 11, 14, 17 and 19. [provided by RefSeq, Jul 2011]

Locus ID:

989

MW:

77.5