

Product datasheet for **SC331936**

SEPTIN7 (NM_001242956) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEPTIN7 (NM_001242956) Human Untagged Clone
Tag: Tag Free
Symbol: SEPTIN7
Synonyms: CDC3; CDC10; NBLA02942; SEPT7; SEPT7A
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331936 representing NM_001242956.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCGGTCAGTGCAGATCCGCTGCTGCTGAGGAGAGGAGCGTCAACAGCAGCACCATGGGTGAATCT
GGATTGGGAAAGTCGACATTAATCAACTCATTATTCCTCACAGATTTGTATTCTCCAGAGTATCCAGGT
CCTTCTCATAGAATTAAGAGCTGTACAGGTGGAACAATCCAAAGTTTTAATCAAAGAAGGTGGTGT
CAGTTGCTGCTCACAATAGTTGATACCCAGGATTTGGAGATGCAGTGGATAATAGTAATTGCTGGCAG
CCTGTTATCGACTACATTGATAGTAAATTTGAGGACTACCTAAATGCAGAATCACGAGTGAACAGACGT
CAGATGCCTGATAACAGGTCAGTGTGTTTATACTTCATTGCTCCTTCAGGACATGGACTTAAACCA
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ACACTCACACCAGAGGAATGCCAACAGTTTAAAAACAGATAATGAAAGAAATCCAAGAACATAAAATT
AAAATATACGAATTTCCAGAAACAGATGATGAAGAAGAAAATAAACTTGTAAAAAGATAAAGGACCGT
TTACCTCTTGCTGTGGTAGTAACTATCATTGAAGTTAATGGCAAAAGGGTCAGAGGAAGGCAG
TATCCTTGGGGTGTGCTGAAGTTGAAAATGGTGAACATTGTGATTTTACAATCCTAAGAAATATGTTG
ATAAGAACACACATGCAGGACTTGAAGATGTTACTAATAATGTCCACTATGAGAACTACAGAAGCAGA
AACTTGCAGCTGTGACTTATAATGGAGTTGATAACAACAAGAATAAAGGCAGCTGACTAAGAGCCCT
CTGGCACAAATGGAAGAAGAAAGAGGGAGCATGTAGCTAAAATGAAGAAGATGGAGATGGAGATGGAG
CAGGTGTTTGAAGTCAAAGAAAAGTTCAAAAAGTGAAGGACTCTGAAGCTGAGCTCCAGCGG
CGCCATGAGCAAATGAAAAGAATTTGGAAGCACAGCACAAAGAATTGGAGGAAAACGTCGTCAGTTC
GAGGATGAGAAAGCAAAGCTGGAAGCTCAACAACGTATTTAGAACAAACAGAAGCTTCAAGAACCTTG
GAAAAGAACAAGAAGAAAGGAAGATCTTTTAA
  
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001242956
Insert Size: 1206 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).



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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:	<ol style="list-style-type: none">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_001242956.1</u>
RefSeq Size:	4272 bp
RefSeq ORF:	1206 bp
Locus ID:	989
Cytogenetics:	7p14.2
MW:	46.6 kDa
Gene Summary:	<p>This gene encodes a protein that is highly similar to the CDC10 protein of <i>Saccharomyces cerevisiae</i>. The protein also shares similarity with Diff 6 of <i>Drosophila</i> 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]</p> <p>Transcript Variant: This variant (3) lacks an in-frame segment in the 5' coding region, compared to variant 1, resulting in an isoform (3) that is 36 aa shorter than isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>