

## Product datasheet for **SC108212**

### SEPTIN10 (NM\_144710) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEPTIN10 (NM_144710) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEPTIN10
Synonyms:	SEPT10
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108212 sequence for NM_144710 edited (data generated by NextGen Sequencing)

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ATGGCCTCCTCCGAGGTGGCGCGCACCTGCTCTTTTCAGTCTCACATGGCAACGAAAACA
ACTTGTATGTCTTCAACAAGGATCAGATGATGAACAGATAAAAAGAGAAAACATTCGTTCG
TTGACTATGTCTGGCCATGTTGGTTTTGAGAGTTTGCCTGATCAGCTGGTGAACAGATCC
ATTCAGCAAGGTTTCTGCTTTAATATTCTCTGTGTGGGGAAACTGGAATTGGAAAATCA
ACACTGATTGACACATTGTTAATACTAATTTTGAAGACTATGAATCCTCACATTTTTGC
CCAAATGTTAACTTAAAGCTCAGACATATGAACTCCAGGAAAGTAAATGTTCAATTGAAA
TTGACCATTGTGAATACAGTGGGATTTGGTGACCAAATAAATAAAGAAGAGAGCTACCAA
CCAATAGTTGACTACATAGATGCTCAGTTTGAGGCCTATCTCCAAGAAGAACTGAAGATT
AAGCGTTCTCTTTACCTACCATGATTCTCGCATCCATGTGTCTCTACTTCATTTCA
CCGACAGGCCACTCTCTGAAGACTTGTCTTTAACCATGAAGAACCTTGACAGCAAG
GTAAACATTATACCAGTGATTGCCAAAGCAGATACGGTTTCTAAAACCTGAATTACAGAAG
TTTAAGATCAAGCTCATGAGTGAATTGGTCAGCAATGGCGTCCAGATATACCAGTCCCA
ACGGATGATGACACTATTGCTAAGGTCAACGCTGCAATGAATGGACAGTTGCCGTTTGCT
GTTGTGGGAGTATGGATGAGGTAAAAGTCGGAACAAGATGGTCAAAGCTGCCAGTAC
CCTTGGGGTGTGTACAAGTGGAAAATGAAAACCACTGTGACTTTGTAAGCTGCGGGAA
ATGCTCATTTGTACAAAATATGGAGGACCTGCGAGAGCAGACCCATACCAGGCACTATGAG
CTTTACAGGCGCTGCAAACCTGGAGGAAATGGGCTTTACAGATGTGGGCCAGAAAACAAG
CCAGTCAGTGTTCAAGAGACCTATGAAGCCAAAAGACATGAGTTCCATGGTGAACGTCAG
AGGAAGGAAGAAGAAATGAAACAGATGTTTGTGCAGCGAGTAAAGGAGAAAGAAGCCATA
TTGAAAGAAGCTGAGAGAGAGCTACAGGCCAAATTTGAGCACCTTAAGAGACTTCACCAA
GAAGAGAGAAATGAAGCTTGAAGAAAAGAGAAGACTTTTGGAAAGAAGAAATAATTGCTTTC
TCTAAAAGAAAGCTACCTCCGAGATATTTACAGCCAGTCTTTCTGGCAACAGGCAGC
AACCTGAGGAAGGACAAGGACCGTAAGAACTCCAATTTTTTTGTAA
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Clone variation with respect to NM\_144710.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_144710 unedited</p> <pre>AATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGCCGCTCGGGGCCGGGCTG ATACAGCCGCTTACCCTGCCCCGCGACCATGGCCTCCTCCGAGGTGGCGCGGCA CCTGCTCTTTCAGTCTCACATGGCAACGAAAACAATTGTATGTCTTACAAGGATCAGA TGATGAACAGATAAAAAGAGAAAACATTCGTTTCGTTGACTATGTCTGGCCATGTTGGTTT TGAGAGTTTGCCTGATCAGCTGGTGAACAGATCCATTGCAAGGTTTCTGCTTTAATAT TCTCTGTGTGGGGAACTGGAATTGGAAAATCAACACTGATTGACACATTGTTTAAATAC TAATTTTGAAGACTATGAATCCTCACATTTTGCCTAAATGTTAAACTTAAAGCTCAGAC ATATGAACTCCAGGAAAGTAATGTTCAATTGAAATTGACCATTGTGAATACAGTGGGATT TGGTGACCAAAATAAATAAAGAAGAGAGCTACCAACCAATAGTTGACTACATAGATGCTCA GTTTGAGGCCATCTCCAAGAAGAACTGAAGATTAAGCGTTCTCTCTTACCTACCATGA TTCTCGCATCCATGTGTCTCTACTTCAATTCACCGACAGGCCACTCTCTGAAGACT TGATCTCTTAACCATGAAGAACCTTGACAGCAAGGTAACATTATACCAGTGATTGCCAA AGCAGATACGGTTTCTAAAACCTGAATTACAGAAGTTTAAAGATCAAGCTCATGAGTGAATT GGGTCAGCATGGCGTCCAGATATACCAGNTCCACGGATGATGACTATTGCTAANGTC AACGCTGNCATGAATGGACAGNTGCCGTTTGTGTGTGGGAAGTATGGATGANGTTAAA GTCNAAAACCAGATGTCAAAGCTCGCCATACCCCTGGNNNGTGTNGTACAGTGNAAAATG AAACCCCTGNGACTTTGTN</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_144710 unedited</p> <pre>ATCTATGNAACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTTAGTAAATA TATGTTTTATTTGTCAAGAGTAAATGTCAGTTTTATTTAGAATATTCAAGTACAAAAAT GAAAATGTATATATCTATGACTGTTAAGAAATGTTAGAAATCATTAAAATGTTCTGAGAA TACCAGTAAGGCACTGAATGCAAATACCACCTGAAATATGAATTATGTGCATTTTATAT CTTTAATATTCAGATGTTTCATAGTTATTTTCTTAAAAAGTATTTTAAATAAAATGATTCA ACCTTATATTTTTACCCTGGAAAACAGAGTTTAAACAAGTATGTAATGAAAAGTTTTCC TAATGAAAGCTGTGATACACTCATGCTCAAAGGTAATTTATCCTTAGGAAAAAATAGCTT ATATATCTGGATGTTTTAACTTTTAAAGATATTTTGTTCACCACAGTAATACGTCAGCC ATAATAAGGCATAATAAAGCATGAAGTCATCATATTAATAATCTGACACAAAAGCTTAA GATCATATCACCATTGGGTAATTGTATAAAAAATTTTTAAGTTCTATAAAAATTTAAG AGGTTAGAGTTTTAGCTCCATAATACATCCCAAAACATATCCCAAAATTTTTAGCATA TATAAAAAAGGTTTATCTTGGAAATATAAATGTAATCAGATAGCCACGATATTAATGGGTT CTGATTTTTAGTGGCACTGACTTTGCTCTTTGGTATAATGCACTGCAAGTACCATAGCA TGGTAGCAAGAGAAAAGATTTAGATTCATCACAGAAAACAGCACTTAAACATTTCTAACAA CAGTGAAAATATATGAATATATAGGTACAAGCAGAGTATCCCTTATTCAAATGCTAGGA CCAGAATGTTTTGGATTCAGGTTAGNATATCTGCTATACACACGGGACCCGACTCTATA CATATTCAGTTTACATCCACTT</pre>
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_144710
<b>Insert Size:</b>	3000 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>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).

**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:** [NM\\_144710.2](#), [NP\\_653311.1](#)

**RefSeq Size:** 3269 bp

**RefSeq ORF:** 1365 bp

**Locus ID:** 151011

**UniProt ID:** [Q9P0V9](#)

**Cytogenetics:** 2q13

**Domains:** GTP\_CDC

**Gene Summary:** This gene encodes a member of the septin family of cytoskeletal proteins with GTPase activity. This protein localizes to the cytoplasm and nucleus and displays GTP-binding and GTPase activity. A pseudogene for this gene is located on chromosome 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]  
Transcript Variant: This variant (1) encodes isoform 1.