

Product datasheet for **SC107189**

SEPTIN10 (NM_178584) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEPTIN10 (NM_178584) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEPTIN10
Synonyms:	SEPT10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178584, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCCTCCGAGGTGGCGGCGCACCTGAAAAGAGAAAACATTCGTTTCGTTGACTATGTCTGGCCATG
TTGGTTTTGAGAGTTTGCCTGATCAGCTGGTGAACAGATCCATTAGCAAGGTTTCTGCTTAATATTCT
CTGTGTGGGGGAAACTGGAATTGAAAAATCAACACTGATTGACACATTGTTAATACTAATTTTGAAGAC
TATGAATCCTCACATTTTGCCTAAATGTTAACTTAAAGCTCAGACATATGAACTCCAGGAAAGTAATG
TTCAATTGAAATTGACCATTTGTGAATACAGTGGGATTTGGTGACCAATAAATAAAGAAGAGAGCTACCA
ACCAATAGTTGACTACATAGATGCTCAGTTTGGGCTATCTCCAAGAAGAACTGAAGATTAAGCGTTCT
CTCTTTACCTACCATGATTCTCGCATCCATGTGTGTCTCTACTTCATTTACCGACAGGCCACTCTCTGA
AGACACTTGATCTCTTAACCATGAAGAACCTTGACAGCAAGGTAACATTATACCAAGTATTGCCAAAGC
AGATACGGTTTCTAAAACCTGAATTACAGAAGTTTAAAGTCAAGCTCATGAGTGAATTGGTCAGCAATGGC
GTCCAGATATACCAAGTTCCCAACGGATGATGACACTATTGCTAAGGTCAACGCTGCAATGAATGGACAGT
TGCCGTTTGTGTGTGGGAAAGTATGGATGAGGTAAAAGTCGGAACAAGATGGTCAAAGCTCGCCAGTA
CCCTTGGGGTGTGTACAAGTGGAAAAATGAAAACCACTGTGACTTTGTAAAGCTGCGGAAATGCTCATT
TGTACAAATATGGAGGACCTGCGAGAGCAGACCCATACCAAGGCACTATGAGCTTTACAGGCGCTGCAAA
TGGAGGAAATGGCTTTACAGATGTGGGCCAGAAAACAAGCCAGTCAGTGTTCAGAGACCTATGAAGC
CAAAAGACATGAGTTCCATGGTGAACGTCAGAGGAAGGAAGAAGAAATGAAACAGATGTTTGTGCAGCGA
GTAAAGGAGAAAAGCAATATTGAAAAGAAGCTGAGAGAGAGCTACAGGCCAAATTTGAGCACCTTAAGA
GACTTCACCAAGAAGAGAGAATGAAGCTTGAAGAAAAGAGAAGACTTTTGAAGAAGAAATTAATTGCTTT
CTCTAAAAGAAAGCTACCTCCGAGATATTTACAGCCAGTCCTTTCTGGCAACAGGCAGCAACCTGAGG
AAGGACAAGGACCGTAAGAACTCCAATTTTTGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_178584 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTTCTGGAGTCCCAGC
 TCTCCTCAGCCCCGCCCAACGCTGACGCTCAGTCTCAGGCGTCGAGGGTAGCTCCTGT
 GAGGGGCTCGCTTGGCGCACGAAAACGCTCAGCGCGCACACAGGGCGTCCGCCCAAC
 CCCGCCCGGAGGCCTCAGCTCGGCCCGCCCTGTCCCTCCCGTCGCGGAGGCAG
 CCTAGCCTCGCGCCCCGCCGTTGCTTCTGCCCTCCGGCCTTCCCGCCGCGTCCGCCGG
 ACCAGCCGCTCGGGGCCGGGCTGATACAGCCGTTACCCTGCCCTGCCCGGACCATG
 GCCTCCTCCGAGGTGGCGCGCACCTGCTCTTTCAGTCTCACATGGCAACGAAAACAAT
 TGTATGTCTTACAAGGATCAGATGATGAACAGATAGTAAAAAGAGAAAACATTCTGTT
 GTTGACTATGTCTGGCCATGTTGGTTTTGAGAGTTGCCTGATCAGCTGGTGAACAGATC
 CATTACAGCAAGGTTTCTGCTTAAATATTCTGTGTGGGGGAAACTGGAATTGAAAAATC
 AACACTGATTGACACATTGTTTAACTAATTTTGAAGACTATGAATCCTCACATTTTTG
 CCCAAATGTTAACTTAAAGCTCAGACATATGAACTCCAGGAAAGTAATGTTCAATTGAA
 ATTGACCATTGTGAATACAGTGGGGATTTGGTGACCAATAAATAAAGAAGAGAGGCCAC
 TCTCTGAAGACACTTGATCTCTTACCATGAAGAAAACCTGACAGCAGGTAACATTATACC
 AGTGATTGCCAAGCAGATACCGTTNCTAANACTGATNACAGAGTTAAGATCAGCTCATGA
 TGAATTGTCACNATGCGTCANATTACAGTTC AACGATGAGACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_178584 unedited
 NATGTCCTGAGGGNAGGGTCACAGGGCAGCCACCCGGGATCTGTTTCAGGAAACAGCTATG
 ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGTGGAGTCTCGCTC
 TGTTGCCAGGTTGGAGTGCAGTGGCNCNCGATCTCGCTCACTGCANACTTGCCTCCAG
 GTTCAAGCGACTCTCTACCTCAGCCTCCTGAGTAGCTGGTTTTACAGAAGTGCGCCNCA
 CAACCCANCCAANTTGAATTAATAACCAACAACAACAACGACCAGCCCCAAA
 AAAAAAAAAACCCANAGCCCCGACACACAGAAACAAAACAAAACCAACACCAAAAAA
 AACCCACCAACAACAAAAACAAAACAAACAAACCAACTCACCCAGACACAACAA
 AACCCACGCAACCACCCANCCNCNCAAAAGACACCGCAAGAACGCGCCACACAAC
 AACACACAACCCGAACCAACCAACAAAAAACCCCAACCCATCAAAAAAAC
 CACACAACGCCAGAAACCCACANAAAAACAATAGAAANAAGACCACAATCACCTCAA
 AAAAACCGTCACGAAAGAAACAACCCACAACGCGCAANAACGCCAAAAACACACCCGAA
 AACAGCAAGACACAACAGAAACAACGCCGACCAAAAACAAAAGANCAACCCAGGAAGCCG
 ACCCAGGAAGACGATAACAACAAAATGAAACAAACAAAAACCCAAAAAACGACACAC
 CACCCAGCGCGGACGACCTAAGACAGCAAAACCCAGCCAAAGGCACCGGAAACAAC
 AGAACAACGACAGAGAACACAGCCCCGCAACTAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_178584

Insert Size:

2700 bp

OTI Disclaimer:

The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.

OTI Annotation:

This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.

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_178584.1, NP_848699.1</u>
RefSeq Size:	3200 bp
RefSeq ORF:	1296 bp
Locus ID:	151011
UniProt ID:	<u>Q9P0V9</u>
Cytogenetics:	2q13
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame segment in the coding region, compared to variant 1. Isoform 2 is shorter than isoform 1.</p>