

Product datasheet for **SC310402**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310402 representing NM_178584. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTCCTCCGAGGTGGCGGGCACCTGAAAAGAGAAAACATTCGTTTCGTTGACTATGTCTGGCCAT
GTTGGTTTTGAGAGTTTGCCTGATCAGCTGGTGAACAGATCCATTCAGCAAGTTTCTGCTTTAATATT
CTCTGTGTGGGGAACTGGAATTGAAAATCAACACTGATTGACACATTGTTTAACTAATTTTGA
GACTATGAATCCTCACATTTTGCCTAAATGTTAACTTAAAGCTCAGACATATGAACCTCCAGGAAAGT
AATGTTCAATTGAAATTGACCATTGTGAATACAGTGGGATTTGGTGACCAATAAATAAAGAAGAGAGC
TACCAACCAATAGTTGACTACATAGATGCTCAGTTTGGGCTATCTCCAAGAAGAACTGAAGATTAAG
CGTTCTCTCTTACCTACCATGATTCTCGCATCCATGTGTGTCTACTTCATTTACCCGACAGGCCAC
TCTCTGAAGACACTTGATCTCTTAAACCTGAAGAACCTTGACAGCAAGGTAACATTATACCAAGTATT
GCCAAAGCAGATACGGTTTCTAAAACCTGAATTACAGAAGTTTAAAGATCAAGCTCATGAGTGAATTGGTC
AGCAATGGCGTCCAGATATACCAGTTCCCAACGGATGATGACACTATTGCTAAGGTCAACGCTGCAATG
AATGGACAGTTGCCGTTTGTGTGTGGGAAGTATGGATGAGGTAAAAGTCGAAACAAGATGGTCAAA
GCTCGCCAGTACCCTTGGGGTGTGTACAAGTGGAAAAAGAAAACCACTGTGACTTTGTAAGCTGCGG
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ATGTTTGTGCAGCGAGTAAAGGAGAAAAGCCATATTGAAAGAAGCTGAGAGAGAGCTACAGGCCAAA
TTTGAGCACCTTAAGAGACTTCACCAAGAAGAGAGAATGAAGCTTGAAGAAAAGAGAAGACTTTTGGAA
GAAGAAAATAATTGCTTTCTCTAAAAGAAAGCTACCTCCGAGATATTTACAGCCAGTCTTTCTGGCA
ACAGGCAGCAACCTGAGGAAGGACAAGGACCGTAAGAATCCAATTTTTTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178584
Insert Size:	1296 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:	<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_178584.3</u>
RefSeq Size:	3187 bp
RefSeq ORF:	1296 bp
Locus ID:	151011
UniProt ID:	<u>Q9P0V9</u>
Cytogenetics:	2q13
MW:	50.1 kDa
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>