

Product datasheet for **SC317702**

SEPTIN14 (NM_207366) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEPTIN14 (NM_207366) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEPTIN14
Synonyms:	SEPT14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_207366, the custom clone sequence may differ by one or more nucleotides

ATGGCAGAAAGAACAATGGCTATGCCACACAAATACCTGCTGATGGAGATACACAAAAAGAAAATAATA
 TTCGTTGTTTAACTACGATTGGACATTTTGGTTTTGAATGTTTGCCCAATCAGTTGGTGAGCAGATCTAT
 CCGACAAGGATTCACCTTTAATATTCTGTGTGGGGGAGACTGGAATTGGAAAAATCGACACTGATAGAC
 ACATTGTTTAATACTAACTTGAAGATAACAAATCCTCACATTTTACTCAAATGTTGGACTTCAAATTC
 AGACATATGAACCTCAGGAAAGCAATGTTCAAGTTGAAATTGACTGTTGTGGAGACAGTAGGGTATGGTGA
 TCAAATAGACAAAGAAGCCAGCTACCAACCAATAGTTGACTACATAGATGCCAATTTGAGGCCTATCTT
 CAAGAAGAACTGAAGATTAACGTTCTCTGTTTGAGTACCATGATTCTCGCGTCCACGTGTGTCTTTACT
 TCATTTACCTACAGGACATTCCCTGAAGTCTCTTGATCTATTAACAATGAAGAACCTTGACAGTAAGGT
 GAATATTATACCACTGATTGCCAAAGCAGACACTATTTCTAAAAATGATTACAGACGTTTAAAGAATAAG
 ATAATGAGTGAATTGATTAGCAATGGCATCCAGATATATCAGCTCCCAACAGATGAAGAACTGCTGCTC
 AAGCGAACTCCTCAGTTAGTGGGCTGTTACCCTTTGCTGTGGTAGGGAGTACAGATGAAGTGAAAGTTGG
 AAAAAGGATGGTCAGAGGCCGCTCACTACCCTTGGGGAGTTTGCAGTGGAAAATGAAAATCACTGTGAC
 TTCGTTAAGCTCCGAGATATGCTTCTTTGTACCAATATGGAAAATCTAAAAGAAAAACCCACACTCAGC
 ACTATGAATGTTATAGGTACCAAAAACCTGCAGAAAATGGGCTTTACAGATGTGGGTCCAAACAACCAGCC
 AGTTAGTTTTCAAGAAATCTTTGAAGCCAAAAGACAAGAGTTCTATGATCAATGTCAGAGGGAAGAAGAA
 GAGTTGAAACAGAGATTTATGCAGCGAGTCAAGGAGAAAAGAAGCAACATTTAAAGAAGCTGAAAAAGAGC
 TGCAGGACAAGTTCGAGCATCTTAAATGATTCAACAGGAGGAGATAAGGAAGCTCGAGGAAGAGAAAAA
 ACAACTGGAAGGAGAAATCATAGATTTTATAAAATGAAAGCTGCCTCCGAAGCACTGCAGACTCAGCTG
 AGCACCAGATACAAAGAAAGACAAACATCGTAAGAAATAA

Restriction Sites: Please inquire


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ACCN:	NM_207366
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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_207366.2 , NP_997249.2
RefSeq Size:	3785 bp
RefSeq ORF:	1299 bp
Locus ID:	346288
UniProt ID:	Q6ZU15
Cytogenetics:	7p11.2
Gene Summary:	SEPT14 is a member of the highly conserved septin family of GTP-binding cytoskeletal proteins implicated in membrane transport, apoptosis, cell polarity, cell cycle regulation, cytokinesis, and other cellular functions (Peterson et al., 2007 [PubMed 17922164]).[supplied by OMIM, Jul 2008]