Product datasheet for SC316522

Septin 8 (SEPT8) (NM_001098812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Septin 8 (SEPT8) (NM_001098812) Human Untagged Clone
Tag:	Tag Free
Symbol:	Septin 8
Synonyms:	SEP2; SEPT8
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001098812, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCCACCGACCTGGAGCGCTTCTCGAATGCAGAGCCAGAGCCCCGGAGCCTCTCC
CTGGGCGGCCATGTGGGTTTCGACAGCCTCCCCGACCAGCTGGTCAGCAAGTCGGTCACT
CAGGGCTTCAGCTTCAACATCCTCTGTGTGGGGGAGACCGGCATTGGCAAATCCACACTG
ATGAACACACTCTTCAACACGACCTTCGAGACTGAGGAAGCCAGTCACCATGAGGCATGC
GTGCGCCTGCGGCCCCAGACCTATGACCTCCAGGAGAGCAACGTGCAGCTCAAGCTGACC
ATTGTGGATGCCGTGGGCTTTGGGGATCAGATCAATAAGGATGAGAGTTACAGGCCCATA
GTTGACTACATCGATGCGCAGTTTGAAAATTATCTGCAGGAGGAGCTGAAGATCCGCCGC
TCGCTCTTCGACTACCATGACACAAGGATCCACGTTTGCCTCTACTTCATCACGCCCACA
GGGCACTCCCTGAAGTCTCTAGATCTAGTGACCATGAAGAAACTAGACAGCAAGGTGAAC
ATTATTCCCATCATCGCCAAGGCTGACACCATCTCCAAGAGCGAGCTCCACAAGTTCAAG
ATCAAGATCATGGGCGAGTTGGTCAGCAACGGGGTCCAGATCTACCAGTTCCCCACGGAT
GATGAGGCTGTTGCAGAGATTAACGCAGTCATGAATGCACATCTGCCCTTTGCCGTGGTG
GGCAGCACCGAGGAGGTGAAGGTGGGGAACAAGCTGGTCCGAGCACGGCAGTACCCCTGG
GGAGTGGTGCAGGTGGAGAATGAGAATCACTGCGACTTCGTGAAGCTGCGGGAGATGTTG
ATCCGGGTGAACATGGAAGACCTCCGCGAGCAGACCCACAGCCGGCACTACGAGCTCTAC
CGGCGCTGCAAGTTGGAGGAGATGGGCTTTCAGGACAGCGATGGTGACAGCCAGCCCTTC
AGCCTACAAGAGACATACGAGGCCAAGAGGAAGGAGTTCCTAAGTGAGCTGCAGAGGAAG
GAGGAAGAGATGAGGCAGATGTTTGTCAACAAAGTGAAGGAGACAGAGCTGGAGCTGAAG
GAGAAGGAAAGGGAGCTCCATGAGAAGTTTGAGCACCTGAAGCGGGTCCACCAGGAGGAG
AAGCGCAAGGTGGAGGAAAAGCGCCGGGAACTGGAGGAGGAGACCAACGCCTTCAATCGC
CGGAAGGCTGCGGTGGAGGCCCTGCAGTCGCAGGCCTTGCACGCCACCTCGCAGCAGCCC
CTGAGGAAGGACAAGGACAAGAAGAAAGCCAGTGGCTGGTCTTCCATTTACAGTGTCACT
ATTCCC

Restriction Sites:	Please inquire
ACCN:	NM_001098812

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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:	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_001098812.1, NP_001092282.1
RefSeq Size:	4076 bp
RefSeq ORF:	1329 bp
Locus ID:	23176
UniProt ID:	Q92599
Cytogenetics:	5q31.1
Gene Summary:	This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014] Transcript Variant: This variant (3) differs in the 3' UTR and 3' coding region compared to variant 1. The resulting isoform (c) is shorter and has a distinct C-terminus compared to isoform a.