

Product datasheet for **SC320536**

SEPTIN6 (NM_145799) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEPTIN6 (NM_145799) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEPTIN6
Synonyms:	SEP2; SEPT2; SEPT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145799.2
 GGCGGCACCCGTGGCAGCCCTGGCGGACGCAGGAGCGATGGCAGCGACCGATATAGCTCG
 CCAGGTGGGTGAAGGTTGCCAACTGTCCCCTGGCTGGACATGTGGGGTTTGACAGCTT
 GCCTGACCAGCTGGTGAATAAGTCCGTACGCCAGGGCTTCTGCTCAACATCCTGTGCGT
 GGGAGAGACAGGTTTGGCAAGTCCACCCTCATGGACACCCTGTTCAACACCAAATTCGA
 AGGGAGCCAGCCACCCACACACAGCCGGGTGTCCAGCTCCAGTCTAATACCTATGACCT
 CCAAGAGAGCAACGTGAGGCTAAAGCTCACGATCGTTAGCACAGTTGGCTTTGGGGACCA
 GATCAACAAAGAGGACAGCTACAAGCCTATCGTGGAAATTCATCGATGCACAATTCGAGGC
 CTACCTGCAGGAAGAGCTAAAGATCCGAAGAGTGTACACACCTACCATGACTCCCGAAT
 CCATGTCTGCTTATTTTATTGCCCCACGGGTCATTCCCTGAAGTCTCTGGACCTAGT
 GACTATGAAGAAGCTGGACAGTAAGGTGAACATCATCCCATCATTGCCAAAGCAGATGC
 CATTTGGAAGAGTGAGCTAACAAAGTTCAAATCAAATCACCAGCGAGCTTGTCCAGCAA
 CGGAGTCCAGATCTATCAGTTTCTACAGATGATGAGTCGGTGGCAGAGATCAATGGAAC
 CATGAACGCCACCTGCCGTTTGTCTGTCATTGGCAGCACAGAAGAACTGAAGATAGGCAA
 CAAGATGATGAGGGCGCGCAGTATCCTTGGGGCACTGTGCAGGTTGAAAACGAGGCCCA
 CTGCGACTTTGTGAAGCTGCGGGAGATGCTGATTTCGGGTCAACATGGAGGATCTGCGGGA
 GCAGACCCACACCCGGCCTATGAGCTGTATCGCCGCTGTAAGCTGGAGGAGATGGGCTT
 CAAGGACACCGACCTGACAGCAAACCTTTCAGTTTACAGGAGACACATGAGGCCAAAAG
 GAACGAGTTTCTAGGGAACTCCAGAAAAAGAAGAGGAGATGAGACAGATGTTTCGTCCA
 GCGAGTCAAAGAGAAAAGCGGAGCTCAAAGAGGCAGAGAAAGAGCTGCACGAGAAGTT
 TGACCGTCTGAAGAACTGCACCAGGACGAGAAGAAGAACTGGAGGATAAGAAGAAATC
 CCTGGATGATGAAGTGAATGCTTTCAAGCAAAGAAAGACGGCGGCTGAGCTGCTCCAGTC
 CCAGGGTCCCAGGCTGGAGGCTCACAGACTCTGAAGAGAGACAAGAGAAGAAAAATTA
 ACTCTGTGTTTTGCTGCATGCTGCATGAGACCCAGGGTCTGTTTTGGGCTTCTGTAGAC
 ACCCTTTTCTGCGCAACAGAGCTGGGCCTCCCTTTCTTAATTTCCCCCTTAACATGCC
 TGGGGGCATACAATCCAACCCGCGCCCTCCTCTCTTCTGCAAGGTTTATAGAAAAC
 CTGAGAATCTGAGGGTGTGTCTGGCCGCTGGTCAAGAAGCCAACAGTCAATGTGGCTCGC
 AGATGCATCCTGCATCCCAGTCCCCCTCCAGCACCCCCAGCCATCCCCCTGTCTTCCC
 CCACATCTTGGCAGAGGTGTGACATGGTCAGGGGGCCCATCTGCTACTCTTTCCCACCA
 GCTCCCCTGTTCCAGTTCTGGTTGCTGTTAGTTTCCCTGAGGTATTTGCAACCACCATGG
 CTGGGTAAACCACCGATCAGCACAGCTGTCCCCTTGGTCTCCTGTATCCCAGTCACTAGTC
 CTCCTGTGTCACCCACCCCTCATCCTCAGGAGCCACAGCCATTTCTTAGAGGGTTTCAA
 AAGGACAGCCTTTGGCGCCTTTTCTTCTAACCTTTGAGTCCAGCCCTTTCCAGTTTTCA
 TTCACTCGAAGTAACTGCACTCAAGCTGTGCTCAAATCGGCAACGCATTTATTTACACC
 AAGCCCTTCCATAAAACACAACCTGCTGAAGAAAATAGCAGACGTTTCCCCTCTCTCTAA
 CTCTGGGTATCCCACAGATGCAAAAGGGAGAATAAACCTGAATATTATTAATAAAAAAAAA
 AAAAAAA

Restriction Sites: Please inquire

ACCN: NM_145799

Insert Size: 2050 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_145799.2</u> , <u>NP_665798.1</u>
RefSeq Size:	4716 bp
RefSeq ORF:	1284 bp
Locus ID:	23157
UniProt ID:	<u>Q14141</u>
Cytogenetics:	Xq24
Gene Summary:	<p>This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (I) contains an additional segment in the 3' coding region, which leads to a frameshift and immediate translation termination, as compared to variant II. The resulting isoform (A) is truncated at the C-terminus, as compared to isoform B. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>