

Product datasheet for **SC128089**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145799, the custom clone sequence may differ by one or more nucleotides

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ATGTCAGCGACCGATATAGCTCGCCAGGTGGGTGAAGTTGCCGAAGTGTCCCCCTGGCTGGACATGTGG
GGTTTGACAGCTTGCCTGACCAGCTGGTGAATAAGTCCGTGAGCCAGGGCTTCTGCTTCAACATCTGTG
CGTGGGAGAGACAGGTTTGGGCAAGTCCACCCTCATGGACACCCTGTTCAACACCAAATTCGAAGGGGAG
CCAGCCACCCACACACAGCCGGGTGCCAGCTCCAGTCTAATACCTATGACCTCCAAGAGAGCAACGTGA
GGCTAAAGCTCACGATCGTTAGCACAGTTGGCTTTGGGGACCAGATCAACAAAGAGGACAGCTACAAGCC
TATCGTGAATTCATCGATGCACAATTCGAGGCCTACCTGCAGGAAGAGCTAAAGATCCGAAGAGTGCTA
CACACCTACCATGACTCCCGAATCCATGTCTGCTTGTATTTTCATTGCCCCACGGGTTCATCCCTGAAGT
CTCTGGACCTAGTGACTATGAAGAAGCTGGACAGTAAGGTGAACATCATCCCATCATTGCCAAAGCAGA
TGCCATTTTCAAGAGTGAGCTAACAAAGTTCAAAATCAAAATCACCAGCGAGCTTGTGAGCAACGGAGTC
CAGATCTATCAGTTTCTACAGATGATGAGTCGGTGGCAGAGATCAATGGAACCATGAACGCCACCTGC
CGTTTGTGTCTATTGGCAGCACAGAAGAACTGAAGATAGGCAACAAGATGATGAGGGCGCGGCAGTATCC
TTGGGGCACTGTGCAGGTTGAAAACGAGGCCACTGCGACTTTGTGAAGCTGCGGGAGATGCTGATTCGG
GTCAACATGGAGGATCTGCGGGAGCAGACCCACACCCGGCACTATGAGCTGTATCGCCGCTGAAGCTGG
AGGAGATGGGCTTCAAGGACACCCGACCTGACAGCAAACCCTTCAGTTTACAGGAGACATATGAGGCCAA
AAGGAACGAGTTCTAGGGAACTCCAGAAAAAGAAGAGGAGATGAGACAGATGTTCCGTCAGCGAGTC
AAAGAGAAAGAAGCGGAGCTCAAAGAGGCAGAGAAAGAGCTGCACGAGAAGTTTGACCGTCTGAAGAAAC
TGACCAGGACGAGAAGAAGAACTGGAGGATAAGAAGAAATCCCTGGATGATGAAGTGAATGCTTTCAA
GCAAAGAAAGACGGCGGCTGAGCTGCTCCAGTCCAGGGCTCCAGGCTGGAGGCTCACAGACTCTGAAG
AGAGACAAAGAGAAGAAAAATTA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145799 unedited ACTATAGGGCGGCCGCGAATTCGGCACGAGGGTAGCTCCCGTTGCGGCGGCACCCGTGGC AGCCCTGGCGGACGCAGGAGCGATGGCAGCGACCGATATAGCTCGCCAGGTGGGTGAAGG TTGCCGAAGTGTCCCTGGCTGGACATGTGGGGTTTGACAGCTTGCCTGACCAGCTGGT GAATAAGTCCGTGAGCCAGGGCTTCTGCTTCAACATCCTGTGCGTGGGAGAGACAGGTTT GGGCAAGTCCACCCTCATGGACACCCTGTTCAACACCAAATTCGAAGGGGAGCCAGCCAC CCACACACAGCCGGGTGTCAGCTCCAGTCTAATACCTATGACCTCCAAGAGAGCAACGT GAGGCTAAAGCTCACGATCGTTAGCACAGTTGGCTTTGGGGACCAGATCAACAAAGAGGA CAGCTACAAGCCTATCGTGAATTCATCGATGCACAATTCGAGGCCTACCTGCAGGAAGA GCTAAAGATCCGAAGAGTGCTACACACCTACCATGACTCCCGAATCCATGTCTGCTTGTA TTTCATTGCCCCACGGGTCAATCCCTGAAGTCTCTGGACCTAGTGACTATGAAGAAGCT GGACAGTAAGGTGAACATCATCCCCATCATTGCCAAAGCAGATGCCATTCGAAGAGTGA GCTAACANAGTTCANAATCANAATCACCAGCGAGCTTTGTGAGCAGGAGTCCAGATCTA TCANGTTCCTACAGATGATNGAGTCGTGGCAGAGATCAATGGACCCATGACGCCACCCTG CGTTNGCTGTATGNCAGCCAGAAGACCTGAGATAGGCACAGATGATGAGGGCGCCGAGT ATCTTGGGGCCTGNCAGNTGAAACGAGCCACTGCGATTGTGAGCTGCGGAGATGCTGAT CGGTACATGGAGACTGCGGAGCANACACCCGACTTGACTGATCNCCTGTACTGAGGAAT GGCTCAGGAACCGACTCAGCAACCTCAGTAACGAACCTGAGCAA
Restriction Sites:	NotI-NotI
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).
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:	NM_145799.2 , NP_665798.1
RefSeq Size:	4716 bp
RefSeq ORF:	1284 bp
Locus ID:	23157
UniProt ID:	Q14141
Cytogenetics:	Xq24

Gene Summary:

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]

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.