

Product datasheet for **SC123172**

SEPTIN12 (NM_144605) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEPTIN12 (NM_144605) Human Untagged Clone
Tag: Tag Free
Symbol: SEPTIN12
Synonyms: SEPT12; SPGF10
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_144605 edited
 CAGGACAAGGCAGCTCCTGGAAGCTCCACCAGGACCCACGTCCACCAGGCATCTCGAACC
 CTTGGCCCCCATGGACCCCTGAGGCGCTCCCCCTCTCCCTGCCTGCTCGCAGCCCTC
 CAGCCCCAGCACCCACCCCTGCGAGATGCTTGGTCTGTGGGCATTGAGGCTGTGCTGGA
 CCAGCTGAAGATCAAGGCTATGAAGATGGGTTTGTGTTCAACATCATGGTGGTGGGGCA
 AAGCGGGCTGGGCAAGTCCACGATGGTGAACACGCTGTTCAAGTCCAAAGTGTGGAAGTC
 AAACCCACCGGGCTTGGGGTGGCCACACCCAGACGCTGCAGCTGCATTCACTGACCCA
 TGTTCATAGAGGAGAAGGGTGTGAAGCTGAAGCTGACGGTGACGGACACGCCCGGCTTCGG
 GGACCAGATCAACAATGACAACCTGCTGGGACCCATCCTGGGCTACATCAACGAGCAATA
 CGAGCAGTACCTGCAGGAGGAGATCCTCATCACCCGCCAGCGCCACATCCAGACACCCG
 GGTGCACTGCTGCGTGTACTTTGTACCACCCACTGGGCACTGCCTGCGGCCCTGGACAT
 TGAGTTCTGTCAGCGGCTGTGCCGACTGTGAATGTGGTGCCTGATTGCCAGGCGCGA
 CAGCCTGACCATGGAGGAGCGAGAGGCCTTCAGGCGCAGGATCCAGCAGAACCTGAGGAC
 CCACTGCATCGACGTCTACCCCCAGATGTGCTTTGACGAGGACATCAATGACAAAATCCT
 CAACAGCAAGTTACGGGACCGAATCCCTTTTGGCGTGGTAGGGGCTGACCAAGAGCACCT
 GGTGAACGGGAGGTGTGCTCCTGGGCCGGAAGACCAAGTGGGGCATCATTGAAGTGGAGAA
 CATGGCGCACTGTGAATTTCTCTCCTGAGAGACCTGCTTATCCGCTCCCACCTCCAAGA
 CCTGAAGGACATAAACCACAACATCCACTATGAGAACTACCGCGTCATCAGACTCAATGA
 AAGCCACTGCTGCCCGCGGGCCGGCTGGGTGAACCTGGCCCCGGCCTCCCCAGGACA
 GCTGACCACCCCGGACCTTCAAGTCTGCAGGGGGCCATGACGATTCTGATGATGA
 GTTCTGACCACCGCGGATCCCGGGCTGCTGGGCTTCTGAGTCCCCAGCGGCTCTCAA
 CACACACCTATGTACCAGAGCATCTATTAATGTGAGCCTTGCTTTTATGAAAAAAAAA
 AA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144605 unedited NAACGTTCAAATTTTGTAAACGACTACTATANNGGCGGCCGNAATTCGCGGNATC AGGNACAAGGNACAGCTCCTGGGAAGCTCCACCAGNACCCACGTCACCAGGCATCTCGA ACCCTTGGCCCCCATGGACCCCCTGAGGCGCTCCCCCTCTCCCTGCCTGTCTCGAGCC CTCCAGCCCCAGCACCCACCCTGCGAGATGCTTGGTCTGTGGGCATTGAGGCTGTGCT GGACCAGCTGAAGATCAAGGCTATGAAGATGGGGTTTGAGTTCAACATCATGGTGGTGGG GCAAAGCGGGCTGGGCAAGTCCACGATGGTGAACACGCTGTTCAAGTCCAAAGTGTGGAA GTCAAACCCACCGGGCTTGGGGGTGCCACACCCAGACGCTGCAGCTGCATTCACTGAC CCATGTATAGAGGAGAAGGTTGTGAAGCTGAAGCTGACGGTGACGGACACGCCCCGGCTT CGGGGACCAGATCAACAATGACAACCTGCTGGGACCCATCCTGGGCTACATCAACGAGCA ATACGAGCAGTACCTGCAGGAGGAGATCCTCATCACCCGCCAGCGCCACATCCCAGACAC CCGGGTGCCTGCTGCGTGTACTTTGTACCACCCACTGGGCACTGCCTGCGGGCCCTGGA CATTGAGTTCTGCAGCGGCTGTGCCGACTGTGAATGTGGTGGCCGTGATTGCCAGGGC CGACAGCCTGACCATGGANGAGCGAGAGGCCTTCANGCGCANGATCCAGCAGAACCCTGA GACCCACTGCATCGAGCTTACCCCCAGATGTGCTTTGACGAGGACATCAATGACAAAAT CCTCACAGCAAGTTACGGGACCCGATCCCTTTTTGCGTGGTAGGGGCTGACCAAAAGCAC TGGTGAACGGGAGG
Restriction Sites:	Please inquire
ACCN:	NM_144605
Insert Size:	1300 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:	<u>NM_144605.1</u> , <u>NP_653206.1</u>
RefSeq Size:	1291 bp
RefSeq ORF:	1077 bp
Locus ID:	124404
UniProt ID:	<u>Q8IYM1</u>
Cytogenetics:	16p13.3

Gene Summary:

This gene encodes a guanine-nucleotide binding protein and member of the septin family of cytoskeletal GTPases. Septins play important roles in cytokinesis, exocytosis, embryonic development, and membrane dynamics. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (2) contains an alternate exon in the coding region compared to variant 1. The encoded isoform (2) is longer but has the identical N- and C-termini compared to isoform 1.