

## Product datasheet for **SC326880**

### SEPTIN12 (NM\_001154458) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SEPTIN12 (NM\_001154458) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SEPTIN12  
**Synonyms:** SEPT12; SPGF10  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC326880 representing NM\_001154458.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCCCTGAGGCGCTCCCCCTCTCCCTGCCTGTCTCGCAGCCCTCCAGCCCCAGCACCCACCC
TGCGAGATGCTTGGTCTGTGGGCATTGAGGCTGTGCTGGACCAGCTGAAGATCAAGGCTATGAAGATG
GGGTTTGAGTTCAACATCATGGTGGTGGGGCAAAGCGGGCTGGGCAAGTCCACGATGGTGAACACGCTG
TTCAAGTCCAAGTGTGGAAGTCAAACCCACCGGGCTTGGGGTGCCACACCCAGACGCTGCAGCTG
CATTCACTGACCCATGTCATAGAGGAGAAGGGTGTGAAGCTGAAGCTGACGGTGACGGACACGCCCGGC
TTCGGGGACCAGATCAACAATGACAACCTGCGGCCCTGGACATTGAGTTCCTGCAGCGGCTGTGC
CGGACTGTGAATGTGGTGCCCGTGATTGCCAGGGCCGACAGCCTGACCATGGAGGAGCGAGAGGCCCTTC
AGGCGCAGGATCCAGCAGAACCTGAGGACCCACTGCATCGACGTCTACCCCCAGATGTGCTTTGACGAG
GACATCAATGACAAAATCCTCAACAGCAAGTTACGGGACCGAATCCCTTTTGCCGTGGTAGGGGCTGAC
CAAGAGCACCTGGTGAACGGGAGGTGTCTCTGGGCCGGAAGACCAAGTGGGGCATCATTGAAGTGGAG
AACATGGCGCACTGTGAATTTCTCTCTGAGAGACCTGCTTATCCGCTCCCACCTCCAAGACCTGAAG
GACATAACCCACAACATCCACTATGAGAACTACCGCGTCATCAGACTCAATGAAAGCCACCTGCTGCC
CGCGGGCCCGGCTGGGTGAACCTGGCCCCGGCTCCCCAGGACAGCTGACCACCCCCGGACCTTCAAG
GTCTGCAGGGGGGCCCATGACGATTCTGATGATGAGTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001154458  
**Insert Size:** 939 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001154458.2</a></u>
<b>RefSeq Size:</b>	1386 bp
<b>RefSeq ORF:</b>	939 bp
<b>Locus ID:</b>	124404
<b>UniProt ID:</b>	<u><a href="#">Q8IYM1</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>MW:</b>	35.2 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).</p>