

## Product datasheet for RC228245

### SEPTIN12 (NM\_001154458) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEPTIN12 (NM_001154458) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEPTIN12
Synonyms:	SEPT12; SPGF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC228245 representing NM_001154458 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCCTGAGGCGCTCCCCCTCTCCCTGCCTGTCTCGCAGCCCTCCAGCCCCAGCACCCACCCCT  
GCGAGATGCTTGGTCTGTGGGCATTGAGGCTGTGCTGGACCAGCTGAAGATCAAGGCTATGAAGATGGG  
GTTTGAGTTCAACATCATGGTGGTGGGGCAAAGCGGGCTGGGCAAGTCCACGATGGTGAACACGCTGTTC  
AAGTCAAAGTGTGGAAGTCAAACCCACCGGGCTTGGGGTGCCACACCCAGACGCTGCAGCTGCATT  
CACTGACCATGTCATAGAGGAGAAGGGTGTGAAGCTGAAGCTGACGGTGACGGACACGCCCGGCTTCGG  
GGACCAGATCAACAATGACAACCTGCCTGCGGCCCTGGACATTGAGTTCTGCAGCGGCTGTGCCGGACT  
GTGAATGTGGTGCCCGTATTGCCAGGGCCGACAGCCTGACCATGGAGGAGCGAGAGGCCTTCAGGCGCA  
GGATCCAGCAGAACCTGAGGACCCACTGCATCGACGTCTACCCCCAGATGTGCTTTGACGAGGACATCAA  
TGACAAAATCCTCAACAGCAAGTTACGGGACCGAATCCCTTTTGGCGTGGTAGGGGCTGACCAAGAGCAC  
CTGGTGAACGGGAGGTGTGCTGGGCCGGAAGACCAAGTGGGGCATCATTGAAGTGGAGAACATGGCGC  
ACTGTGAATTTCTCTCCTGAGAGACCTGCTTATCCGCTCCCACCTCCAAGACCTGAAGGACATAACCCA  
CAACATCCACTATGAGAACTACCGGTCTCAGACTCAATGAAAGCCACCTGTGCCCGCGGGCCCGGC  
TGGGTGAACCTGGCCCCGCTCCCAAGGACAGCTGACCACCCCGGACCTTCAAGGTCTGACGGGGG  
CCATGACGATTCTGATGATGAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



**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\\_001154458.3](#)

**RefSeq ORF:** 939 bp

**Locus ID:** 124404

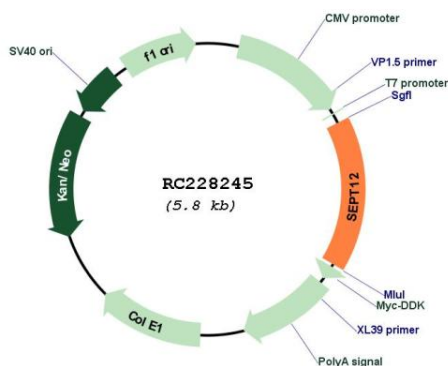
**UniProt ID:** [Q8IYM1](#)

**Cytogenetics:** 16p13.3

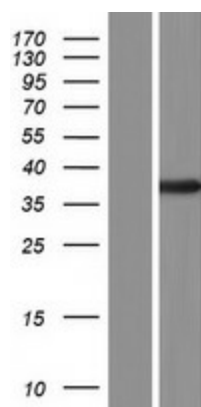
**MW:** 35 kDa

**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]

## Product images:



Circular map for RC228245



Western blot validation of overexpression lysate (Cat# [LY431273]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228245 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).