

Product datasheet for RC215771

Septin 3 (SEPT3) (NM_145733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Septin 3 (SEPT3) (NM_145733) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Septin 3
Synonyms:	bK250D10.3; SEP3; SEPT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215771 representing NM_145733 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAAAGGGCTCCCAGAGACCAGGACGGACGCAGCCATGTCAGAGCTGGTGCCTGAGCCAGGCCTA
AGCCAGCGGTGCCATGAAGCCCATGAGCATCACTCCAACCTGCTGGGTACATCGGCATCGACACCAT
CATCGAGCAGATGCGCAAGAAGACCATGAAGACCGTTTCGACTTCAACATCATGGTCGTTGGCCAGAGT
GGACTGGGCAAAACAACGCTGGTCAACACGCTCTTCAAATCCCAAGTGAAGCCGCAAGGCCTCCAGCTGGA
ACCGGGAGGAGAAGATCCCAAGACAGTGGAGATCAAAGCTATCGGGCATGTGATAGAGGAAGCGGTGT
CAAAATGAAGCTGACCGTCAACACCCAGGCTTTGGAGACCAATCAACAATGAAAACCTGCTGGGAG
CCCATTGAGAAGTACATCAATGAGCAGTACGAGAAGTTCTGAAGGAGGAGTCAACATCGCCAGGAAGA
AACGCATCCCTGACACTCGTGTCCACTGCTGCCTTACTTCACTCTCCACAGGACACTCCTTGCAGCC
TCTGGATCTTGAGTTCATGAAACACCTCAGCAAGGTTGTGAACATCATCCCTGTCATTGCTAAGGCTGAC
ACCATGACCTGGAGGAGAAGTCTGAATCAAGCAAAGGTTTCGCAAGGAGCTTGAAGTAAATGGCATTG
AATTCTACCCCAAGAAGGAATTTGATGAGGATTTGGAGGATAAGACGGAGAATGACAAAAATCAGGCAGGA
GAGCATGCCTTTTGTGTGGTGGGAAGTGACAAGGAGTACCAAGTGAATGGCAAGAGGGTCTCGGCCGA
AAAACCTCATGGGGGATCATCGAAGTGGAAAACCTCAACACTGTGAGTTTGCCTGCTTCGAGACTTTG
TCATCAGGACCCACCTCCAGGACCTCAAGGAAGTGACACACAACATCCACTATGAGACTTACAGGGCCAA
GCGGCTCAATGACAATGGAGGCCTCCCTCCGGGAGAAGGCCTCCTGGGCACTGTCTTCCACCTGTGCCA
GCCACCCCTGCCCACTGCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145733.3](#)

RefSeq Size: 2469 bp

RefSeq ORF: 1077 bp

Locus ID: 55964

UniProt ID: [Q9UH03](#)

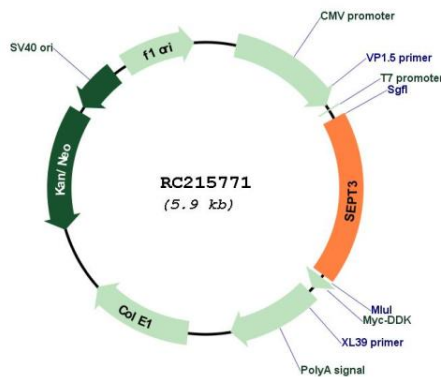
Cytogenetics: 22q13.2

Domains: GTP_CDC

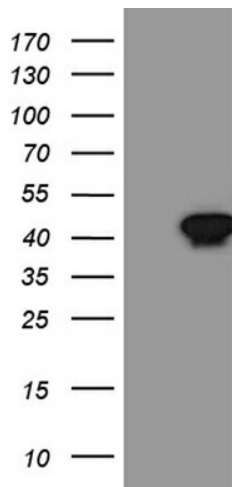
MW: 40.5 kDa

Gene Summary: This gene belongs to the septin family of GTPases. Members of this family are required for cytokinesis. Expression is upregulated by retinoic acid in a human teratocarcinoma cell line. The specific function of this gene has not been determined. Alternative splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, May 2018]

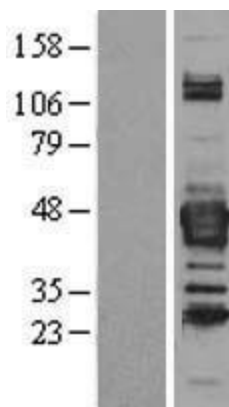
Product images:



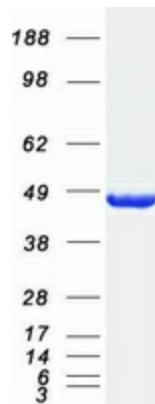
Circular map for RC215771



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SEPT3 (Cat# RC215771, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SEPT3 (Cat# [TA811272])(1:2000). Positive lysates [LY403438] (100ug) and [LC403438] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY403438]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215771 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SEPTIN3 protein (Cat# [TP315771]). The protein was produced from HEK293T cells transfected with SEPTIN3 cDNA clone (Cat# RC215771) using MegaTran 2.0 (Cat# [TT210002]).