

Product datasheet for **RR209500**

Sept5 (NM_053931) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept5 (NM_053931) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sept5
Synonyms:	CDCrel-1; CDCrel-1A; Pnutl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209500 representing NM_053931 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGACTCACTGGCAGCACCCAGGACCGCTGGTGGAGCAGCTGCTGTCGCCGCGCACCCAGGCCAGA
 GGCGGCTCAAGGACATCGACAAGCAGTACGTTGGCTTCGCTACACTGCCCAACAGGTGCACCGCAAGTC
 AGTCAAGAAGGGTTTCGACTTCACACTCATGGTAGCCGGTGAGTCCGGCCTGGGAAGTCTACCCTTGTC
 CACAGTCTTCTCCTGACTGACCTGTACAAGGACCGAACTGCTGAGTGCTGAGGAACGCATCAACCAGA
 CAGTAGAGATCCTGAAACACACTGTTGACATCGAGGAGAAGGGAGTCAAGCTGAAGCTCACCATCGTGGA
 CACGCCCGGCTTTGGGGATGCAGTGAACAACCTCGAGTGCTGGAAGCCCATCACTGACTATGTAGACCAG
 CAGTTTGAACAGTATTTCCGTGATGAAAGCGGCCCTCAACCGCAAGAACATCCAGGACAACCGGTGCACT
 GCTGCCTCTACTTCATCTCCCCCTTCGGACATGGATTGAGGCCAGTGGACGTAGGCTTCATGAAGGCGCT
 GCACGAGAAGGTGAACATCGTTCCACTCATCGCCAAAGCCGACTGCCTGGTTCCAGTGAGATCCGGAAG
 CTGAAGGACAGGATACGAGAGGAGATCGACAAGTTGGGATCCACGTGTACCAAGTTCCAGAATGTGACT
 CAGATGAAGATGAAGACTTCAAGCAGCAGGACCGGAACTGAAGGAAAGTGCTCCCTTCGCCGTTATCGG
 CAGCAACACTGTGGTGGAGGCCAAGGGGACGGGTCCGGGGCGACTGTACCCCTGGGGGATCGTCGAA
 GTGGAGAATCAGGCGCACTGCGATTTCTGTAAGCTACGCAACATGCTGATCCGCACGCACATGCACGACC
 TCAAAGACGTGACGTGCGATGTGCACTATGAGAACTACCGTGCTCACTGCATCCAGCAGATGACCAGCAA
 ACTCACGCAGGACAGCCGATGGAGAGCCCCATCCCTATCCTCCCACTGCCACACCAGATTGAGAGACC
 GAGAAGCTCATCAGGATGAAGGATGAAGAGCTGAGGCGCATGCAGGAGATGTTGCAGAAGATGAAGCAGC
 AATGCAGGACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR209500 representing NM_053931
 Red=Cloning site Green=Tags(s)

MDSLAAPQDRLVEQLLSPRTQAQRRLKDIDKQYVGFATLPNQVHRKSVKKGFDFTLMVAGESGLGKSTLV
 HSLFLTDLYKDRKLLSAEERINQTVIEILKHTVDIEEKGVKLKLTIVDTPGFGDAVNNFECWKPITDYVDQ
 QFEQYFRDESGLNRKNIQDNRVHCCLYFISPFHGLRPVDVGFMAKHEKVNIVPLIAKADCLVPSEIRK
 LKDRIRIEEIDKFGIHVYQFPECDSDEDEDFKQQDRELKESAPFAVIGSNTVVEAKGQVRVRGRLYPWGIVE
 VENQAHCDFVKLRNMLIRTHMHLKDVTCVHYENYRAHCIQQMTSKLTQDSRMESPIILPLTPDSET
 EKLIRMKDEELRRMQEMLQKMKQMQDQ

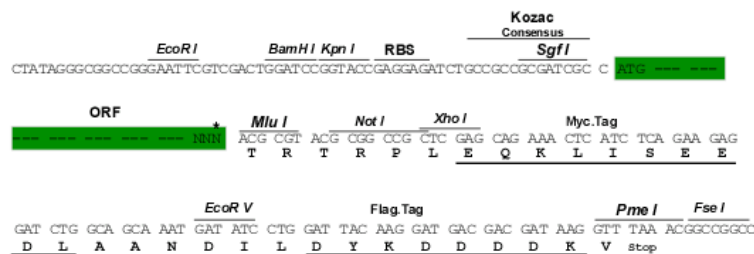
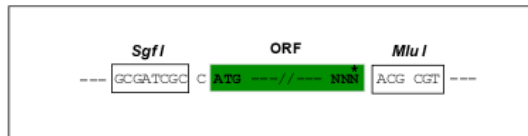
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_053931

ORF Size: 1134 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_053931.4](#), [NP_446383.4](#)

RefSeq Size: 3663 bp

RefSeq ORF: 1137 bp

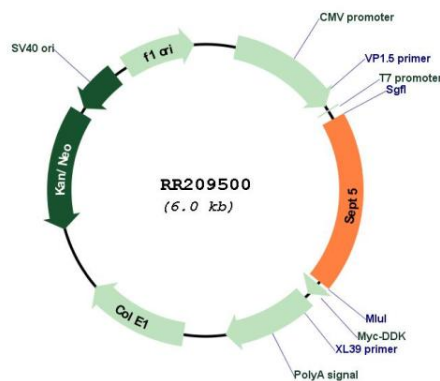
Locus ID: 116728

Cytogenetics: 11q23

MW: 43.9 kDa

Gene Summary: member of the septin gene family; may regulate cytoskeletal organization [RGD, Feb 2006]

Product images:



Circular map for RR209500