

Product datasheet for **RR200259**

Sept9 (NM_031837) Rat Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sept9 (NM_031837) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Sept9 |
| Synonyms: | Eseptin; Msf; Slpa |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR200259 representing NM_031837
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGACACCCCGCGGTCAACGCACAGCTGGACGGATCATTTCAGACTTTGAAGCCTTAAGAGATCGT
 TTGAAGTCGAGGAGATTGAGCCGCCGAATCCACACCACCCGGAGGGTCCAGACCCTCTGCTCCGAGC
 CACGGTGGCCAGCTCCAGCCAGAAATCCAGGACTGGGGTGAAGAACTCAGAGCCTGCTGCTCGCCTT
 GTAGACACCTGAGCCAGCGCTCCCCAAGCCTTCCCTGCGGAGGGTGGACCTGGCAGGGGCAAGGCGC
 CTGAGCCCATGTCTCGCCGACCCGAGCTCTCCATTGATATCTCTCCAAGCAGGTGGAGACACAGCCTC
 AACCCCGGGCCCTCACGGTTCGGGCTTAAGAGGGCCGAAGTCTGGGCCATAAGACACCAGAGCCTGTC
 CCCCAGGAGACGAAATCACCATTGTCAAGCCTCAAGAGTCAGGGCTCCGAGGGTAGAGACCCCTGCCT
 CCAAGGCTCCGAGGGCTCTGCCATGCCTGTACCGATGCAGCCCCAAGAGGGTAGAGATCCAGGTGCC
 CAAGCCAGCGGAGCACCAACTGCCCGCTCCACCCAGACCCTGGAGAACTCCGAGGCCCCGATGTCT
 CAGCTGCAGAGCAGGCTGGAGCCAGGCCCTGTGACTGAGGTCCCATATCGGAACCAGGAAGACTCCG
 AGGTGGCTCCAGCTGTGTTGGCGACATGGCTGACAACCCTAGAGATGCCATGCTCAAGCAAGCGCCGT
 GTCGAGGAATGAGAAGGCCCCCGTGGACTTTGGCTATGTGGGGATCGACTCCATCCTGGAGCAGATGCGC
 AGGAAGGCTATGAAACAGGGCTTCGAGTTCAACATCATGGTGGTTGGGCAGAGTGGCCTCGGGAAGTCCA
 CCTTAATCAACACCCTCTCAAGTCCAAATCAGCCGGAAGTCCGGTCAACCCATCTCGGAGGAGCGTAT
 CCCCAGACGATTGAAATCAAGTCCATCACTCACGATATTGAAGAGAAGGGGTCCGAATGAAGTTGACA
 GTGATTGACACTCCAGGCTTCGGGGACCACATCAACAATGAGAAGTCTGGCAGCCTATCATGAAGTTTA
 TCAATGACCAGTATGAGAAGTACCTCCAGGAGGAAGTCAATATCAACCGGAAGAAACGCATCCCTGACAC
 CCGCGTCCACTGCTGCCTTACTTCACTCCAGCCACCGGCCACTCACTCAGGCCCTGGACATTGAGTTC
 ATGAAGCGCCTAAGCAAGGTGGTGAACATAGTCCCGTCAATTGCCAAGGCTGACACGCTGACCCCTGGAGG
 AGAGGGTCTACTTCAAACAGCGGATCACCTCAGACCTGCTGTCCAACGGTATTGACGTGTACCCCGAGAA
 GGAGTTTGTGAGGACGCAGAGGACCGACTGGTGAACGAGAAGTTTCGGGAGATGATCCCATTTGCCGTG
 GTGGGCAGCGACCATGAGTATCAAGTCAATGGCAAGAGGATTCTGGGAAGGAAGCAAGTGGGGCACCA
 TTGAAGTTGAGAATACCACTCACTGTGAATTTGCCTACCTGCGGGATCTCCTTATCAGGACGCACATGCA
 GAACATCAAAGACATCACCAGCAACATCCACTTGAAGCCTACCGTGTGAAACGCCTCAACGAGGGCAAC
 AGTGCCATGGCCAACGGGATCGAGAAGGAGCCGAAACCCAGGAGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200259 representing NM_031837
 Red=Cloning site Green=Tags(s)

MSDPAVNAQLDGIISDFEALKRSFEVEEIEPPNSTPPRRVQTPLLRATVASSSQKFQDLGVKNSEPAARL
 VDTLSQRSPPKSLRRVDLAGAKAPEPMSRRELSIDISSKQVESTASTPGPSRFLKRAEVLGHKTPEPV
 PRRTEITIVKPQESGLRRVETPASKAPEGSAMPVTDAAAPKRVEIQVPKPAEAPNCPLPPQTLNSEAPMS
 QLQSRLEPRPPVTEVPYRNQEDSEVAPSCVGMADNPRDAMLKQAPVSRNEKAPVDFGYVGIDSILEQMR
 RKAMKQGFEFNIMVVGQSGLGKSTLINTLFKSKISRKSVQPISEERIPKTIIEIKSITHDIEEKGVKMLT
 VIDTPGFGDHINNENCWQPIMKFINDQYEKYLQEEVNIINRKKRIPDTRVHCLLYFIPATGHSLRPLDIEF
 MKRLSKVVNIIVPIAKADTLLEERVYFKQRITSDLLSNGIDVYPQKEFDEDAEDRLVNEKFREMIPFAV
 VGSDEHYQVNGRILGRKTKWGTIEVENTHCEFAYLRDLLIRTHMQNIKDITSNIHFEAYRVKRLNEGN
 SAMANGIEKEPETQEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

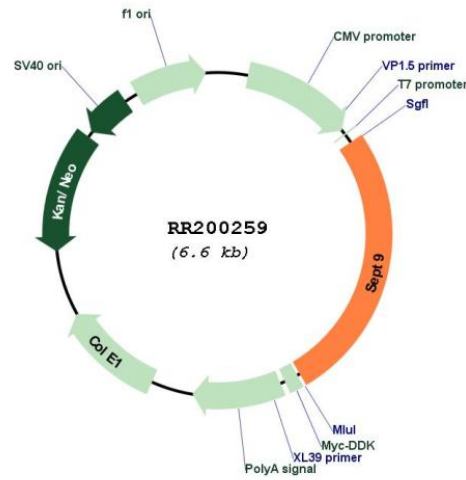
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031837

ORF Size: 1728 bp

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| 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: | <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: | NM_031837.2 , NP_114025.2 |
| RefSeq Size: | 3754 bp |
| RefSeq ORF: | 1731 bp |
| Locus ID: | 83788 |
| UniProt ID: | Q9QZR6 |
| Cytogenetics: | 10q32.2 |
| MW: | 64.9 kDa |
| Gene Summary: | a member of the septin family of genes involved in cytokinesis and required for the completion of cell division [RGD, Feb 2006] |