

Product datasheet for **RR200258**

Sept9 (NM_176856) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept9 (NM_176856) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sept9
Synonyms:	Eseptin; Msf; Slpa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200258 representing NM_176856
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAGAGATCGCATCACAGCCTTAAGAGATCGTTTGAAGTCGAGGAGATTGAGCCGCCGAAGCTCCA
 CACCACCCCGGAGGGTCCAGACCCTCTGCTCCGAGCCACGGTGGCCAGCTCCAGCCAGAAATCCAGGA
 CCTGGGGGTGAAGAACTCAGAGCCTGCTGCTCGCCTTGTAGACACCCTGAGCCAGCGCTCCCCAAGCCT
 TCCTGCGGAGGGTGGACCTGGCAGGGGCCAAGGCGCCTGAGCCCATGTCTCGCCGACCCGAGCTCTCCA
 TTGATATCTCCTCAAGCAGGTGGAGAGCACAGCCTCAACCCCGGGCCCTCACGTTTCGGGCTTAAGAG
 GGCCGAAGTCTGGGCCATAAGACACCAGAGCCTGTCCCGGAGGACGGAAATCACCATTGTCAAGCCT
 CAAGAGTCAGGGTCCGAGGGTAGAGACCCTGCCTCAAGGCTCCGAGGGCTCTGCCATGCCTGTCA
 CCGATGCAGCCCCAAGAGGGTAGAGATCCAGGTGCCAAGCCAGCGGAGGCACCCAAGTCCCGCTCCC
 ACCCCAGACCCTGGAGAAGTCCGAGGCCCGATGTCTCAGCTGCAGAGCAGGCTGGAGCCAGGCCCCCT
 GTGACTGAGGTCCATATCGGAACCAGGAAGACTCCGAGGTGGCTCCAGCTGTGTTGGCGACATGGCTG
 ACAACCTAGAGATGCCATGCTCAAGCAAGCGCCCGTGTGAGGAATGAGAAGGCCCCCGTGGACTTTGG
 CTATGTGGGGATCGACTCCATCCTGGAGCAGATGCGCAGGAAGGCTATGAAAACAGGGCTTCGAGTTCAAC
 ATCATGGTGGTTGGCAGAGTGGCTCGGGAAGTCCACCTTAATCAACACCCTCTCAAGTCCAAAATCA
 GCCGAAGTGGTGAACCCATCTCGGAGGAGCGTATCCCAAGACGATTGAAATCAAGTCCATCACTCA
 CGATATGAAGAGAAGGGGTCCGAATGAAGTTGACAGTGATTGACACTCCAGGCTTCGGGGACCACATC
 AACATGAGAAGTGTGGCAGCCTATCATGAAGTTTATCAATGACCAGTATGAGAAGTACCTCCAGGAGG
 AAGTCAATCAACCCGAAGAAACGCATCCCTGACACCCGCGCTCCACTGCTGCTACTTCACTCCAGC
 CACCGGCCACTCACTCAGGCCCTGGACATTGAGTTCATGAAGCGCCTAAGCAAGGTGGTGAACATAGTC
 CCCGTCATTGCCAAGGCTGACACGCTGACCCTGGAGGAGAGGGTCTACTTCAAACAGCGGATCACCTCAG
 ACCTGCTGTCCAACGGTATTGACGTGTACCCCAAGAGGAGTTTGGATGAGGACGCAGAGGACCGACTGGT
 GAACGAGAAGTTTCGGGAGATGATCCCATTTGCCGTGGTGGCAGCGACCATGAGTATCAAGTCAATGGC
 AAGAGGATTCTGGGAAGGAAGACCAAGTGGGCACCATTTGAAGTTGAGAATACCACTCACTGTGAATTTG
 CCTACCTGCGGGATCTCCTTATCAGGACGCACATGCAGAACATCAAAGACATCACCAGCAACATCCACTT
 CGAAGCCTACCGTGTGAAACGCCTCAACAGGGCAACAGTGCCATGGCCAACGGGATCGAGAAGGAGCCG
 GAAACCCAGGAGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200258 representing NM_176856
 Red=Cloning site Green=Tags(s)

MERDRITALKRSFEVEEIEPPNSTPPRRVQTPLLRAVASSSQKFQDLGVKNSEPAARLVDTLSQRSPKP
 SLRRVDLAGAKAPEPMSRRELSIDISSKQVESTASTPGPSRFLKRAEVLGHKTPEPVRPRTEITIVKP
 QESGLRRVETPASKAPEGSAMPVTDAAPKRVEIQVPKPAEAPNCPLPPQTLNASEAPMSQLQSRLEPRPP
 VTEVPYRNQEDSEVAPSCVGMADNPRDAMLKQAPVSRNEKAPVDFGYVGIDSILEQMRRKAMKQGFEFN
 IMVVGQSLGKSTLINTLFKSKISRKSVQPISEERIPKTIKSIKSIHDIIEKGVRMKLTVIDTPGFDHI
 NNENCWQPIIMKFINDQYKYLQEEVNIINRKKRIPDTRVHCLYFIPATGHSLRPLDIEFMKRLSKVNNIV
 PVIKADTLLEERVYFKQRITSDLLSNGIDVYPQKFEDEDAEDRLVNEKFREMIPFAVVGSDHEYQVNG
 KRILGRKTKWGTIEVENTHCEFAYLRLDLLIRTHMQNIKDITSNIHFEAYRVKRLNEGNSAMANGIEKEP
 ETQEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_176856

ORF Size: 1695 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_176856.2](#), [NP_789826.2](#)

RefSeq Size: 3873 bp

RefSeq ORF: 1698 bp

Locus ID: 83788

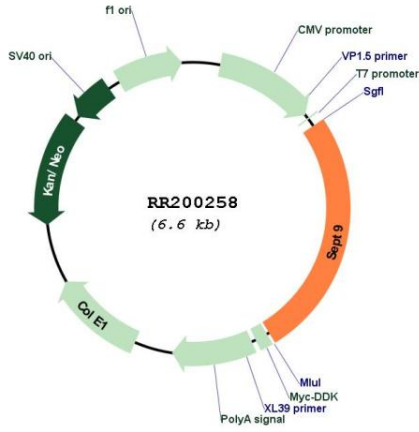
UniProt ID: [Q9QZR6](#)

Cytogenetics: 10q32.2

MW: 63.9 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]

Product images:



Circular map for RR200258