

## Product datasheet for MR224046

### Sept9 (NM\_001113488) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sept9 (NM\_001113488) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Sept9  
**Synonyms:** Msf; MSF1; PNU TL4; Sint1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224046 representing NM\_001113488  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGACAACCCTAGAGATGCCATGCTCAAGCAGGCCCGCGTCACGGAACGAAAAGGCCCCCATGG  
 AGTTCGGCTATGTGGGATCGACTCCATCTGGAGCAGATGCGCAGGAAGGCTATGAAACAGGGCTTCGA  
 GTTTAACATCATGGTGGTTGGGCAGAGCGGCTCGGGAAGTCCACTTTAATCAATACCCTCTTCAAGTCC  
 AAAATCAGCCGGAAGTCGGTGCAGCCACCTCGGAGGAACGCATCCCAAGACGATCGAAATCAAGTCGA  
 TCAACCACGATATTGAAGAGAAGGGGTTGGAATGAAGCTGACAGTGATTGACACGCCGGGCTTCGGAGA  
 CCACATCAACAATGAGAACTGCTGGCAGCCATTATGAAGTTCATCAATGACCAATATGAGAAGTACCTG  
 CAGGAGGAAGTCAACATCAACCGGAAGAAGCGCATTCCCGACACCCGTGCCACTGCTGCCTCTACTTCA  
 TCCCAGCCACCGGCCACTCGCTCAGGCCCTGGACATTGAATTCATGAAGCGCCTAAGCAAAGTGGTGAA  
 CATTGTCCAGTCATCGCCAAGGCTGACACGCTGACCCTGGAGGAGAGGGTCTACTTCAAACAGCGGATC  
 ACTGCAGACCTGCTGTCCAACGGCATTGACGTGTACCCGAGAAGGAGTTTGATGAGGACGAGAAGACC  
 GGCTGGTGAACGAAAAGTTCCGGGAGATGATCCATTTGCTGTGGTGGGCAGCGACCATGAGTATCAAGT  
 CAATGGCAAGAGGATTCTGGGAAGGAAGACCAAGTGGGGCACTATCGAAGTTGAGAATACCACTCACTGT  
 GAATTTGCTTACCTGCGGGATCTCCTTATCAGGACGCACATGCAAAACATCAAAGACATCACCAGCAACA  
 TCCACTTCGAAGCCTACCGAGTGAAACGCCTCAACGAGGGCAACAGCGCCATGGCCAACGGGATCGAGAA  
 GGAGCCGGAAGCCAGGAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224046 representing NM\_001113488  
 Red=Cloning site Green=Tags(s)

MADNPRDAMLKQAPASRNEKAPMEFGYVGIDSILEQMRRKAMKQGFENIMVVGQSGLGKSTLINTLFKS  
 KISRKSVQPTSEERIPKTIIEIKSITHDIEEKGVRMKLTVIDTPGFDHINNENCWQPIMKFINDQYEKYL  
 QEEVNINRKKRIPDTRVHCCLYFIPATGHSLRPLDIEFMKRLSKVVNIVPVIADTLTLEERVYFKQRI  
 TADLLSNGIDVYPQKEFDEDAEDRLVNEKFREMIPFAVVGSDHEYQVNGKRILGRKTKWGTIEVENTHC  
 EFAYLRDLLIRTHMQNIKDITSNIHFAYRVKRLNEGNSAMANGIEKEPEAQEM

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\_001113488

**ORF Size:** 1002 bp

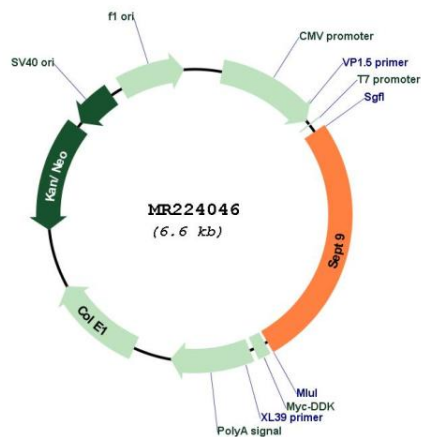
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq Size:</b>	2965 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	53860
<b>UniProt ID:</b>	<a href="#">Q80UG5</a>
<b>Cytogenetics:</b>	11 82.61 cM
<b>MW:</b>	38.6 kDa
<b>Gene Summary:</b>	Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR224046