

## Product datasheet for **MR224042**

### Sept9 (NM\_017380) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sept9 (NM\_017380) 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:** >MR224042 representing NM\_017380  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACAACCCTAGAGATGCCATGCTCAAGCAGGCCCGCGTCACGGAACGAAAAGGCCCCCATGG  
AGTTCGGCTATGTGGGATCGACTCCATCTGGAGCAGATGCGCAGGAAGGCTATGAAACAGGGCTTCGA  
GTTTAACATCATGGTGGTTGGGCAGAGCGGCTCGGGAAGTCCACTTTAATCAATACCCTCTTCAAGTCC  
AAAATCAGCCGGAAGTCGGTGCAGCCACCTCGGAGGAACGCATCCCAAGACGATCGAAATCAAGTCGA  
TCAACCACGATATTGAAGAGAAGGGGTTGCAATGAAGCTGACAGTGATTGACACGCCGGGCTTCGGAGA  
CCACATCAACAATGAGAACTGCTGGCAGCCATTATGAAGTTCATCAATGACCAATATGAGAAGTACCTG  
CAGGAGGAAGTCAACATCAACCGAAGAAGCGCATTCCCGACACCCGTGCCACTGCTGCCTCTACTTCA  
TCCCAGCCACCGCCACTCGCTCAGGCCCTGGACATTGAATTCATGAAGCGCCTAAGCAAAGTGGTGAA  
CATTGTCCAGTCATCGCCAAGGCTGACACGCTGACCCTGGAGGAGAGGGTCTACTTCAAACAGCGGATC  
ACTGCAGACCTGCTGTCCAACGGCATTGACGTGTACCCGAGAAGGAGTTTGATGAGGACGAGAAGACC  
GGCTGGTGAACGAAAAGTCCGGGAGATGATCCATTTGCTGTGGTGGGCAGCGACCATGAGTATCAAGT  
CAATGGCAAGAGGATTCTGGGAAGGAAGACCAAGTGGGGCACTATCGAAGTTGAGAATACCACTCACTGT  
GAATTTGCTTACCTGCGGATCTCCTTATCAGGACGCACATGCAAACATCAAAGACATCACCAGCAACA  
TCCACTTCGAAGCCTACCGAGTGAAACGCCTCAACGAGGGCAACAGCGCCATGGCCAACGGGATCGAGAA  
GGAGCCGGAAGCCAGGAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224042 representing NM\_017380  
 Red=Cloning site Green=Tags(s)

MADNPRDAMLKQAPASRNEKAPMEFGYVIGIDSILEQMRRKAMKQGFNFNIMVVGQSGLGKSTLINTLFKS  
 KISRKSVQPTSEERIPKTIIEIKSITHDIEEKGVRMKLTVIDTPGFDHINNENCWQPIMKFINDQYEKYL  
 QEEVNINRKKRIPDTRVHCCLYFIPATGHSLRPLDIEFMKRLSKVVNIVPVIKADTLTLEERVYFKQRI  
 TADLLSNGIDVYPQKEFDEDAEDRLVNEKFREMI PF AVVGS DHE YQVNGKRILGRKTKWGTIEVENTHC  
 EFAYLRDLLIRTHMQNIKDITSNIHF EAYRVKRLNEGNSAMANGIEKEPEAQEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9044\\_b04.zip](https://cdn.origene.com/chromatograms/mm9044_b04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_017380

**ORF Size:** 1002 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.

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

**RefSeq:** [NM\\_017380.2](#), [NP\\_059076.1](#)

**RefSeq Size:** 2946 bp

**RefSeq ORF:** 1005 bp

**Locus ID:** 53860

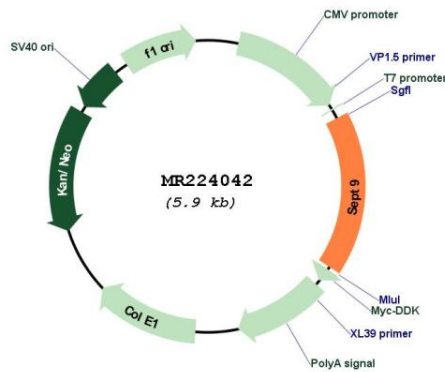
**UniProt ID:** [Q80UG5](#)

**Cytogenetics:** 11 82.61 cM

**MW:** 39 kDa

**Gene Summary:** Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR224042