

Product datasheet for **MR223360**

Sept9 (NM_001113487) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept9 (NM_001113487) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sept9
Synonyms:	Msf; MSF1; PNUTL4; Sint1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR223360 representing NM_001113487
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGACCCCGCGGTCAACGCACAGCTGGACGGATCATTTCAGACTTTGAAGCCTTAAGAGATCGT
 TTGAAGTCGAGGAGATTGAGCCGCCAACTCCAGGCCACCCGGAGGGTCCAGACCCTCTGCTCCGCGC
 CACGGTGGCCAGCTCCAGCCAGAAATCCAGGACCTGGGGTGAAGAACTCAGAGCCCGCTGCCCGCCTT
 GTAGACTCCCTGAGCCAGCGCTCCCCAAGCCTCCCTGCGGAGGGTGGAGCTGGCGGGAGCCAAGGCGC
 CTGAGCCCATGTCTCGACGCACAGAGATCTCCATCGACATCTCTCCAAGCAGGTGGAGAGCACGGCCTC
 CGTCCCGGGCCCTCACGGTTCGGCCTAAGAGGGCTGAAGTCTGGGCCACAAGACCCAGAGCCTGTC
 CCTCGGAGGACGGAGATCACCATTGTCAAGCCTCAGGAGTCAGTCTCCGAGGGTGGAGACCCCTGCCT
 CCAAGATCCCGAGGGCTCTGCCGTGCCACAGATGCAGCCCCAAGAGGGTAGAGATCCAGGTGCC
 CAAGCCAGCTGAGCACCAACTGTCGGTCCCGTCCCAGACCCTGGAGAACTCCGAGGCCCCGATGTCT
 CAACTGCAGAGCAGGCTGGAGCCAGGCCCTCCGTGGCTGAGGTCCCATATCGGAACAGGAAGACTCCG
 AGGTGACTCCCAGCTGTGTTGGCGACATGGCTGACAACCCTAGAGATGCCATGCTCAAGCAGGCCCCCGC
 GTCACGGAACGAAAAGGCCCCCATGGAGTTCGGCTATGTGGGGATCGACTCCATCCTGGAGCAGATGCGC
 AGGAAGGCTATGAAACAGGGCTTCGAGTTAACATCATGGTGGTTGGGCAGAGCGGCCCTCGGAAGTCCA
 CTTTAATCAATACCCTCTCAAGTCCAAATCAGCCGGAAGTCCGGTGCAGCCACCTCGGAGGAACGCAT
 CCCCAGACGATCGAAATCAAGTCGATCACCCAGATATTGAAGAGAAGGGGTTCAATGAAGTGA
 GTGATTGACACGCCGGGCTTCGGAGACCACATCAACAATGAGAAGTCTGGCAGCCATTATGAAGTCA
 TCAATGACCAATATGAGAAGTACCTGCAGGAGGAAGTCAACATCAACCGGAAGAAGCGCATTCCCAGAC
 CCGTGTCCACTGCTGCCTCTACTTCATCCAGCCACCGGCCACTCGCTCAGGCCCTGGACATTGAATTC
 ATGAAGCGCCTAAGCAAAGTGGTGAACATTGTCCAGTCATCGCCAAGGCTGACACGCTGACCCCTGGAGG
 AGAGGGTCTACTTCAAACAGCGGATCACTGCAGACCTGCTGTCCAACGGCATTGACGTGTACCCGCAGAA
 GGAGTTTGTGAGGACGCAGAAGACCGGCTGGTGAACGAAAAGTCCGGGAGATGATCCATTTGCTGTG
 GTGGGCAGCGACCATGAGTATCAAGTCAATGGCAAGAGGATTCTGGGAAGGAAGACCAAGTGGGGCACTA
 TCGAAGTTGAGAATACCACTCACTGTGAATTTGCTTACCTGCGGGATCTCCTTATCAGGACGCACATGCA
 AAACATCAAAGACATCACCAGCAACATCCACTTGAAGCCTACCGAGTGAACGCCTCAACGAGGGCAAC
 AGCGCCATGGCCAACGGGATCGAGAAGGAGCCGGAAGCCAGGAGATG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223360 representing NM_001113487
 Red=Cloning site Green=Tags(s)

MSDPAVNAQLDGIISDFEALKRSFEVEEIEPPNSTPPRRVQTPLLRATVASSSQKFQDLGVKNSEPAARL
 VDSL SQRSPKPSLRRLVLAGAKAPEPMSRREISIDISSKQVESTASAAGPSRFLKRAEVLGHKTPEPV
 PRRTEITIVKPQESVLRVETPASKIPEGSAVPATDAAPKRVEIQVPKPAEAPNCLPSQLENSEAPMS
 QLQSRLEPRPSVAEVPYRNQEDSEVTPSCVGMADNPRDAMLKQAPASRNEKAPMEFGYVGIDSILEQMR
 RKAMKQGFEFNIMVVGQSGLGKSTLINTLFKSKISRKSVQPTSEERIPKTIIEIKSITHDIEEKGVKMLT
 VIDTPGFDHINNENCWQPIMKFINDQYEKYLQEEVNIINRKRIPDTRVHCLLYFIPATGHSLRPLDIEF
 MKRLSKVVNIVPVIAKADTLLEERVYFKQRITADLLSNGIDVYPQKEFDEDAEDRLVNEKFREMIPFAV
 VGSDEHYQVNGRILGRKTKWGTIEVENTHCEFAYLRDLLIRTHMQNIKDITSNIHFEAYRVKRLNEGN
 SAMANGIEKEPEAQEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

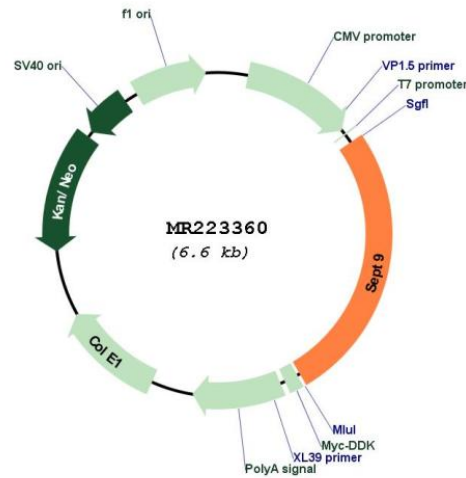
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001113487

ORF Size: 1728 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<u>NM_001113487.1</u> , <u>NP_001106959.1</u>
RefSeq Size:	3796 bp
RefSeq ORF:	1731 bp
Locus ID:	53860
UniProt ID:	<u>Q80UG5</u>
Cytogenetics:	11 82.61 cM
MW:	65.2 kDa
Gene Summary:	Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). [UniProtKB/Swiss-Prot Function]