

Product datasheet for **MG224042**

Sept9 (NM_017380) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Sept9 (NM_017380) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Sept9 |
| Synonyms: | Msf; MSF1; PNUTL4; Sint1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG224042 representing NM_017380
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAAGTCTACTCAGGAGTCACACGGACCTCCAGCGGTGCGCTCCGGAGGCTTGGGATCCCCTG
 GCCCAGCCTTAAAGAGATCGTTTGAAGTCGAGGAGATTGAGCCGCCCAACTCCACGCCACCCCGAGGGT
 CCAGACCCTCTGCTCCGCGCCACGGTGGCCAGCTCCAGCCAGAAATTCAGGACCTGGGGTGAAGAAC
 TCAGAGCCCGCTGCCGCTTGTAGACTCCCTGAGCCAGCGCTCCCCAAGCCTTCCCTGCGGAGGGTGG
 AGCTGGCGGGAGCCAAGGCGCTGAGCCCATGTCTCGACGCACAGAGATCTCCATCGACATCTCTCCAA
 GCAGGTGGAGAGCACGGCTCCGCTGCCGGGCCCTCACGGTTCGGCTTAAAGAGGGCTGAAGTCTGGGC
 CACAAGACCCAGAGCCTGTCCCTCGGAGGACGGAGATCACCATTGTCAAGCCTCAGGAGTCAGTGTCTC
 GCAGGTGGAGACCCCTGCCTCAAGATTCCCAGGGCTCTGCCGTGCCTGCCACAGATGCAGCCCCAA
 GAGGGTAGAGATCCAGGTGCCAAGCCAGCTGAGGCACCAACTGTCCGCTCCCGTCCCAGACCCTGGAG
 AACTCCGAGGCCCGATGTCTCAACTGCAGAGCAGGCTGGAGCCAGGCCTTCCGTGGCTGAGGTCCCAT
 ATCGGAACCAGGAAGACTCCGAGGTGACTCCAGCTGTGTTGGCGACATGGCTGACAACCCTAGAGATGC
 CATGCTCAAGCAGGCCCCCGCTCACGGAACGAAAAGGCCCCATGGAGTTCCGGCTATGTGGGGATCGAC
 TCCATCTGGAGCAGATGCGCAGGAAGGCTATGAAACAGGGCTTCGAGTTAACATCATGGTGGTGGGC
 AGAGCGGCCTCGGGAAGTCCACTTAAATCAATACCCTCTCAAGTCCAAAATCAGCCGGAAGTCGGTGA
 GCCCACCCTCGGAGAACGCATCCCCAAGACGATCGAAATCAAGTCGATCACCCACGATATTGAAGAGAAG
 GGGGTTCAAGTGAAGTACAGTATTGACACGCCGGCTTCGGAGACCACATCAACAATGAGAAGTCAACATCAACCG
 GAAGAAGCGCATTCCCGACACCCGTGTCCACTGCTGCCTCTACTTCATCCAGCCACCGGCCACTCGCTC
 AGGCCCTGGACATTGAATTCATGAAGCCCTAAGCAAAGTGGTGAACATTGTCCAGTCATCGCCAAGG
 CTGACACGCTGACCCTGGAGGAGAGGGTCTACTTCAAACAGCGGATCACTGCAGACCTGTGTCCAACGG
 CATTGACGTGTACCCGACAGAGGAGTTTGTGAGGACGCAGAAGACCGGCTGGTGAACGAAAAGTCCGG
 GAGATGATCCATTTGCTGTGGTGGCAGCAGCATGAGTATCAAGTCAATGGCAAGAGGATTCTGGGAA
 GGAAGACCAAGTGGGCACTATCGAAGTTGAGAATACCACTCACTGTGAATTTGCTTACCTGCGGGATCT
 CCTTATCAGGACGCACATGCAAAACATCAAAGACATCACCAGCAACATCCACTTCGAAGCCTACCGAGT
 AAACGCCTCAACGAGGGCAACAGCGCCATGGCCAACGGGATCGAGAAGGAGCCGGAAGCCAGGAGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224042 representing NM_017380
 Red=Cloning site Green=Tags(s)

MKKSYSVTRTSSGRLRRLADPTGPALKRSFEVEEIEPPNSTPPRRVQTPLLRATVASSSQKFQDLGVKN
 SEPAARLVDSLQSRSPKPSLRRVELAGAKAPEPMSRREISIDISSKQVESTASAAGPSRFGLKRAEVLG
 HKTPEVPVPRRTEITIVKPQESVLRVETPASKIPEGSAPATDAAPKRVEIQVPKPAEAPNCLPSQTL
 NSEAPMSQLQSRLEPRPSVAEVPYRNQEDSEVTPSCVGMADNPRDAMLKQAPASRNEKAPMEFGYVGD
 SILEQMRRKAMKQGFNIMVVGQSLGKSTLINTLFKSKISRKSQPTSEERIPKTIEIKSITHDIEEK
 GVRMKLTVIDTPFGFDHINNENCWQPIMKFINDQYKYLQEEVNIKRKRIPDTRVHCLYFIPATGHSL
 RPLDIEFMKRLSKVNIIPVIAKADTLLEERVYFKQRITADLLSNGIDVYPQKFEDEDAEDRLVNEKFR
 EMIPFAVVGSDHEYQVNGKRILGRKTKWGTIEVENTHCEFAYLRDLLIRTHMQNIKDITSNIHFAYRV
 KRLNEGNSAMANGIEKEPEAQEM

TRTRPLE - GFP Tag - V

Restriction Sites:

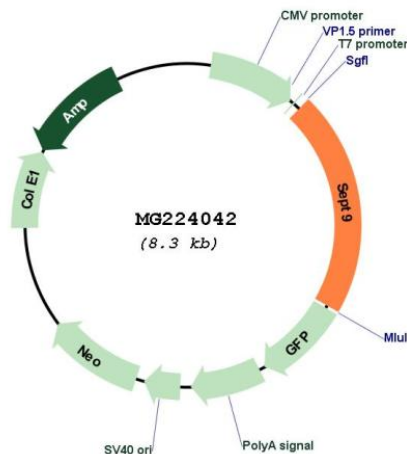
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_017380
 ORF Size: 1002 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_017380.2 , NP_059076.1 |
| RefSeq Size: | 2946 bp |
| RefSeq ORF: | 1005 bp |
| Locus ID: | 53860 |
| UniProt ID: | Q80UG5 |
| Cytogenetics: | 11 82.61 cM |
| Gene Summary: | Filament-forming cytoskeletal GTPase (By similarity). May play a role in cytokinesis (Potential). [UniProtKB/Swiss-Prot Function] |