

## Product datasheet for **RC237726**

### MSF (SEPT9) (NM\_001293696) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MSF (SEPT9) (NM\_001293696) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SEPTIN9  
**Synonyms:** AF17q25; MSF; MSF1; NAPB; PNUTL4; SEPT9; SeptD1; SINT1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237726 representing NM\_001293696  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTGGTGCTGGATGCACAGGGACGTGGTCTGGCTCTGGGGACAGCCACTGAGCGGGCTCCCAGCT  
GCGTTGGCGACATGGCCGACACCCAGAGATGCCGGGCTCAAGCAGGCGCTGCATCACGAACGAGAA  
GGCCCCGGTGGACTTCGGCTACGTGGGATTGACTCCATCCTGGAGCAGATGCGCCGGAAGGCCATGAAG  
CAGGGCTTCGAGTTCAACATCATGGTGGTCGGGCAGAGCGGCTTGGGTAATCCACCTTAATCAACACCC  
TCTTCAAATCCAAAATCAGCCGGAAGTCGGTGCAGCCACCTCAGAGGAGCGCATCCCCAAGACCATCGA  
GATCAAGTCCATCACGCACGATATTGAGGAGAAAGGCGTCCGGATGAAGCTGACAGTGATTGACACACCA  
GGGTTCCGGGACCACATCAACAACGAGAAGTCTGGCAGCCCATCATGAAGTTTCAATGACCAGTACG  
AGAAATACCTGCAGGAGGAGGTCAACATCAACCGCAAGAAGCGCATCCCGGACACCCGCTCCACTGCTG  
CCTCTACTTATCCCCGCCACCGCCACTCCCTCAGGCCCTGGACATCGAGTTTATGAAACGCCTGAGC  
AAGGTGGTCAACATCGTCCCTGTCATCGCAAGGCGGACACACTCACCTGGAGGAGAGGGTCCACTTCA  
AACAGCGGATCACCGCAGACCTGTGTCAACGGCATCGACGTGTACCCCAAGGAAGGAAATTTGATGAGGA  
CTCGGAGGACCGGCTGGTGAACGAGAAGTCCGGGAGATGATCCCATTTGCTGTGGTGGCAGTGACCAC  
GAGTACCAGGTCAACGGCAAGAGGATCCTTGGGAGGAAGACCAAGTGGGGTACCATCGAAGTTGAAAACA  
CCACACTGTGAGTTTGCCTACCTGCGGGACCTTCTCATCAGGACGCACATGCAGAACATCAAGGACAT  
CACCAGCAGCATCCACTTCGAGGCGTACCGTGTGAAGCGCCTCAACGAGGGCAGCAGCCATGGCCAAC  
GGCATGGAGGAGAAGGAGCCAGAAGCCCCGGAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237726 representing NM\_001293696  
Red=Cloning site Green=Tags(s)

MAGAGCTGTWSWLWGTATEAAPSCVGMADTPRDAGLKQAPASRNEKAPVDFGYVGIDSILEQMRRKAMK  
 QGFEFNIMVVGQSLGKSTLINTLFKSKISRKSVQPTSEERIPKTIIEIKSITHDIEEKGVRMKLTVIDTP  
 FGFDHINNENCWQPIMKFINDQYEKYLQEEVNINRKKRIPDTRVHCLYFIPATGHSRLPLDIEFMKRLS  
 KVVNIIVPIAKADTLLEERVHFKQRITADLLSNGIDVYPQKEFDEDEDRLVNEKFRMIPFAVVGSDH  
 EYQVNGKRILGRKTKWGTIEVENTHCEFAYLRLDLLIRTHMQNIKIDITSSIHFEAYRVKRLNEGSSAMAN  
 GMEEKEPEAPEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

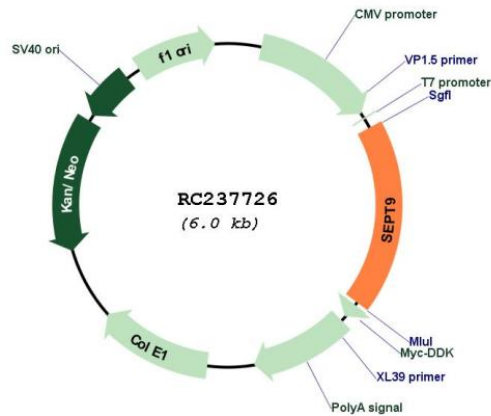
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001293696

<b>ORF Size:</b>	1086 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>RefSeq:</b>	<a href="#">NM_001293696.2</a>
<b>RefSeq Size:</b>	3062 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	10801
<b>UniProt ID:</b>	<a href="#">Q9UHD8</a>
<b>Cytogenetics:</b>	17q25.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	41.6 kDa
<b>Gene Summary:</b>	This gene is a member of the septin family involved in cytokinesis and cell cycle control. This gene is a candidate for the ovarian tumor suppressor gene. Mutations in this gene cause hereditary neuralgic amyotrophy, also known as neuritis with brachial predilection. A chromosomal translocation involving this gene on chromosome 17 and the MLL gene on chromosome 11 results in acute myelomonocytic leukemia. Multiple alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Mar 2009]