

## Product datasheet for **SC336816**

### MSF (SEPT9) (NM\_001293695) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MSF (SEPT9) (NM_001293695) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEPTIN9
Synonyms:	AF17q25; MSF; MSF1; NAPB; PNUTL4; SEPT9; SeptD1; SINT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

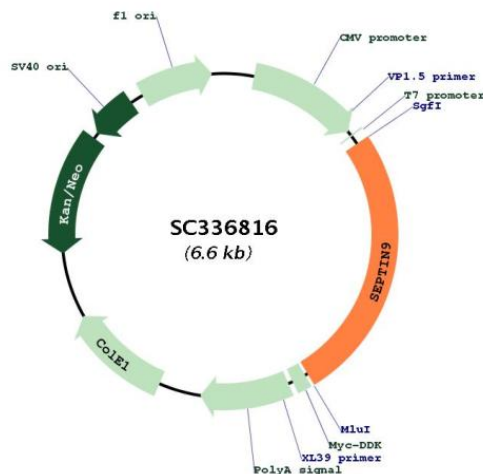


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**Fully Sequenced ORF:** >SC336816 representing NM\_001293695.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGAAGTCTTACTCAGCCTTAAAAAGATCTTTGAGGTGCGAGGAGTTCGAGACACCCAACCTCCACC
CCACCCCGGAGGGTCCAGACTCCCCTACTCCGAGCCACTGTGGCCAGCTCCACCCAGAAATTCAGGAC
CTGGGCGTGAAGAACTCAGAACCCTCGGCCGCCATGTGGACTCCCTAAGCCAACGCTCCCCAAGGCG
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CCGGTGGACTTCGGCTACGTGGGATTGACTCCATCCTGGAGCAGATGCCCGGAAGGCCATGAAGCAG
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GAAAACACCACACTGTGAGTTTGCTACCTGCGGGACCTTCTCATCAGGACGCACATGCAGAACATC
AAGGACATCACCAGCAGCATCCACTTCGAGGCGTACCGTGTGAAGCGCCTCAACGAGGCGCAGCAGCGC
ATGGCCAACGGCATGGAGGAGAAGGAGCCAGAAGCCCCGGAGATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001293695

**Insert Size:** 1704 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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.

**RefSeq:** [NM\\_001293695.1](#)

**RefSeq Size:** 3780 bp

**RefSeq ORF:** 1704 bp

**Locus ID:** 10801

**UniProt ID:** [Q9UHD8](#)

**Cytogenetics:** 17q25.3

**Protein Families:** Druggable Genome

**MW:** 63.5 kDa

**Gene Summary:**

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]

Transcript Variant: This variant (8) lacks an in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (g) lacks an internal segment, compared to isoform a.