

## Product datasheet for RC225675L3

### OriGene Technologies, Inc.

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# MSF (SEPT9) (NM\_001113494) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: MSF (SEPT9) (NM 001113494) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: MSF

Synonyms: AF17q25; MSF; MSF1; NAPB; PNUTL4; SEPT9; SeptD1; SINT1

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC225675).

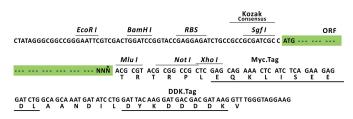
Sequence:

nce:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

| Sgf | ORF | Miu |
|---|GCG ATC GC|C | ATG ---//--- NNN | ACG CGT ---



<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001113494

ORF Size: 1266 bp





## MSF (SEPT9) (NM\_001113494) Human Tagged Lenti ORF Clone - RC225675L3

**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.

RefSeq: <u>NM 001113494.1</u>, <u>NP 001106966.1</u>

17q25.3

 RefSeq Size:
 3951 bp

 RefSeq ORF:
 1269 bp

 Locus ID:
 10801

 UniProt ID:
 Q9UHD8

**Protein Families:** Druggable Genome

**MW:** 47.5 kDa

Cytogenetics:

**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]