OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC318898

MSF (SEPT9) (NM_001113495) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSF (SEPT9) (NM_001113495) 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)

Fully Sequenced ORF:

>SC318898 representing NM_001113495.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCTCAAGTTTCTGGGAAGGCCTGCAGGTGGCCGTAGGGCTGCCGCAGGGGTGCTGGCCCCAGGGT
CTGGATTCAGGGGAGCCTGCAGAGGGAGGGCAGCTGGAGGCTGCTCCAGTGTGCATTGTTACGAGGCAA
AGTAAGGAGACTGCTGGGCCCACGCTGGGCCGGGGTGGATGGAGGCAAGGAAGTCTTCGCCGGGGCAAG
GGCACCAGCTGTAGATGCCGGCAGCTTTCTCCTGGACACGGGCCTGGAAGGCTGACAGGGTGTGGTGAG
TGCCACCGGCTCCCCTGCCGTGGCCTGGTCAGTGGCTTCACAGGCCTCCGTGGGCAGGAGGAGGATGAC
CTTGCATTCTGCTTGGCCACCATTGGCAGTGACAGACAAGCCACTGAGGCGGCTCCCAGCTGCGTTGGC
GACATGGCCGACACCCCCAGAGATGCCGGGCTCAAGCAGGCGCCTGCATCACGGAACGAGAAGGCCCCG
GTGGACTTCGGCTACGTGGGGATTGACTCCATCCTGGAGCAGATGCGCCGGAAGGCCATGAAGCAGGGC
TTCGAGTTCAACATCATGGTGGTCGGGCAGAGCGGCTTGGGTAAATCCACCTTAATCAACACCCTCTTC
AAATCCAAAATCAGCCGGAAGTCGGTGCAGCCCACCTCAGAGGAGCGCATCCCCAAGACCATCGAGATC
AAGTCCATCACGCACGATATTGAGGAGAAAGGCGTCCGGATGAAGCTGACAGTGATTGACACACCAGGG
TTCGGGGACCACATCAACAACGAGAACTGCTGGCAGCCCATCATGAAGTTCATCAATGACCAGTACGAG
AAATACCTGCAGGAGGAGGTCAACATCAACCGCAAGAAGCGCATCCCGGACACCCGCGTCCACTGCTGC
CTCTACTTCATCCCCGCCACCGGCCACTCCCTCAGGCCCCTGGACATCGAGTTTATGAAACGCCTGAGC
AAGGTGGTCAACATCGTCCCTGTCATCGCCAAGGCGGACACACTCACCCTGGAGGAGAGGGTCCACTTC
AAACAGCGGATCACCGCAGACCTGCTGTCCAACGGCATCGACGTGTACCCCCAGAAGGAATTTGATGAG
GACTCGGAGGACCGGCTGGTGAACGAGAAGTTCCGGGAGATGATCCCATTTGCTGTGGTGGGCAGTGAC
CACGAGTACCAGGTCAACGGCAAGAGGATCCTTGGGAGGAAGACCAAGTGGGGTACCATCGAAGTTGAA
AACACCACACACTGTGAGTTTGCCTACCTGCGGGACCTTCTCATCAGGACGCACATGCAGAACATCAAG
GACATCACCAGCAGCATCCACTTCGAGGCGTACCGTGTGAAGCGCCTCAACGAGGGCAGCAGCGCCATG
GCCAACGGCATGGAGGAGAAGGAGCCAGAAGCCCCGGAGATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:

ACCN: NM_001113495

Insert Size: 1425 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001113495.1
RefSeq Size:	3651 bp
RefSeq ORF:	1425 bp
Locus ID:	10801
UniProt ID:	Q9UHD8
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome
MW:	52.9 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 (4) lacks three 5' exons but has an alternate 5' exon, as compared to variant 1. The resulting isoform (d) has a shorter and different N-terminus, as compared to isoform a.