

## Product datasheet for **MC227640**

### Sept8 (NM\_001252333) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sept8 (NM_001252333) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sept8
Synonyms:	AW046166; Sepl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC227640 representing NM\_001252333  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCCACCGACTTGAACGCGTCTCGAACGCAGAGCCTGAGCCCCGGAGCCTGTCCCTGGGCGGCC  
 ATGTTGGGTTTGACAGCCTCCCTGACCAGCTGGTCAGCAAGTCAGTCACTCAGGGCTTCAGCTTCAACAT  
 ACTCTGTGTGGGCGAAACTGGGATTGGCAAGTCCACGCTAATGAACACACTCTTCAACACGACCTTTGAG  
 ACTGAAGAAGCCAGTCACCATGAAGAGTGTGTGCGCCTGCGGCCTCAGACCTATGACCTCCAAGAGAGTA  
 ACGTTCATCTCAAGCTGACCATCGTGGATGCTGTGGGCTTTGGCGATCAGATCAATAAGGATGACAGGCC  
 CATAGTTGACTACATCGACGCGCAGTTTGAAAATATCTGCAGGAGGAGTTGAAGATCCGCCGTTCCCTC  
 TTTGACTATCACGACACGAGGATCCATGTTGCTCTACTTCATCACGCCACCGGGCACTCCCTGAAGT  
 CCCTGGATCTGGTGACCATGAAGAACTAGATAGCAAGTGAATAATAATCCCATCATTGCCAAGGCTGA  
 CACCATCTCCAAGAGCGAGCTCCACAAGTTCAAATCAAGATCATGGGTGAGCTGGTCAGCAACGGAGTC  
 CAGATCTACCAGTTTCCACCGATGACGAGGCTGTCGCCGAGATTAATGCAGTCATGAACGCACACCTGC  
 CTTTTGCCGTGGTGGCAGCACAGAGGAGGTGAAGTGGGAATAAGCTGGTTCGAGCACGACAGTACCC  
 TTGGGGTGTGGTGCAGGTGGAGAATGAGAATCACTGTGACTTCGTGAAGCTGCGGGAGATGCTGATCCGG  
 GTGAACATGGAGGACCTGCGCGAGCAGACCCACAGCCGCACTACGAGCTCTACCGCCGCTGCAAGTTGG  
 AGGAGATGGGCTTCCAGGACAGTGACGGTGACAGCCAGCCCTTCAGCCTCCAAGAGACATATGAGGCAA  
 GAGGAAGGAGTTCTAAGCGAGCTGCAGAGGAAGGAGGAAGAGATGCGACAGATGTTTGTCAACAAAGTC  
 AAGGAGACAGAGCTTGAGCTGAAGGAGAAGGAACGGGAGCTCCATGAGAAGTTTGAGCACCTGAAGCGAA  
 TCCACCAGGAGGAGAAGCGCAAGGTAGAGGAGAAGCGCAGGGAGCTGGAAGAGGAGACCAACGCCTTCAA  
 CTGCCGGAAGGCGCCATGGAGGCCCTGCAGTCACAGGCCCTGCATGCCACTTCACAGCAGCCTCTGAGG  
 AAAGACAAGGACAAGAAGAAT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001252333

**Insert Size:** 1284 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001252333.1](#), [NP\\_001239262.1](#)

**RefSeq Size:** 4461 bp

**RefSeq ORF:** 1284 bp

**Locus ID:** 20362

**UniProt ID:** [Q8CHH9](#)

**Cytogenetics:** 11 31.96 cM

**Gene Summary:** Filament-forming cytoskeletal GTPase (By similarity). May play a role in platelet secretion (By similarity). Seems to participate in the process of SNARE complex formation in synaptic vesicles (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region and contains an alternate 3' terminal exon, compared to variant 4. This results in novel 3' coding region and 3' UTR, compared to variant 4. It encodes isoform 3, which has a shorter and distinct C-terminus, compared to isoform 4.