

Product datasheet for **MC227656**

Sept8 (NM_001252332) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sept8 (NM_001252332) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sept8
Synonyms: AW046166; Sep1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227656 representing NM_001252332
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCGGCCACCGACTTGAACGCGTCTCGAACGAGCCTGAGCCCCGGAGCCTGTCCCTGGGCGGCC
 ATGTTGGGTTTGACAGCCTCCCTGACCAGCTGGTCAGCAAGTCAGTCACTCAGGGCTTCAGTTCAACAT
 ACTCTGTGTGGGCGAACTGGGATTGGCAAGTCCACGCTAATGAACACACTCTTCAACACGACCTTTGAG
 ACTGAAGAAGCCAGTCACCATGAAGAGTGTGTGCGCCTGCGGCCCTCAGACCTATGACCTCCAAGAGAGTA
 ACGTTCATCTCAAGCTGACCATCGTGGATGCTGTGGGCTTTGGCGATCAGATCAATAAGGATGACAGTTA
 CAGGCCATAGTTGACTACATCGACGCGCAGTTTAAAACTATCTGCAGGAGGAGTTGAAGATCCGCCGT
 TCCCTCTTTGACTATCAGACACGAGGATCCATGTTTGCCTCTACTTCATCACGCCACCGGGCACTCCC
 TGAAGTCCCTGGATCTGGTGACCATGAAGAACTAGATAGCAAGGTGAATATAATCCCCATCATTGCCAA
 GGCTGACACCATCTCCAAGAGCGAGCTCCACAAGTTCAAATCAAGATCATGGGTGAGCTGGTCAGCAAC
 GGAGTCCAGATCTACCAGTTTCCCACCGATGACGAGGCTGTGCGCGAGATTAATGCAGTCATGAACGCAC
 ACCTGCCTTTTGGCGTGGTGGGACAGCAGAGGAGGTGAAGTGGGGAATAAGCTGGTTCCGAGCAGCACA
 GTACCCTTGGGTGTGGTGCAGGTGGAGAATGAGAATCACTGTGACTTCGTGAAGCTGCGGGAGATGCTG
 ATCCGGGTGAACATGGAGGACCTGCGCGAGCAGACCCACAGCCGGCACTACGAGCTCTACCGCCGTGCA
 AGTTGGAGGAGATGGGCTTCCAGGACAGTGACGGTGACAGCCAGCCCTTCAGCCTCCAAGAGACATATGA
 GGCAAAGAGGAAGGAGTTCTAAGCGAGCTGCAGAGGAAGGAGGAAGAGATGCGACAGATGTTTGTCAAC
 AAAGTCAAGGAGACAGAGCTTGAGCTGAAGGAGAAGGAACGGGAGCTCCATGAGAAGTTTGAGCACCTGA
 AGCGAATCCACCAGGAGGAGAAGCGCAAGGTAGAGGAGAAGCGCAGGGAGCTGGAAGAGGAGACCAACGC
 CTTCAACTGCCGAAGGCGCCATGGAGGCCCTGCAGTCACAGGCCTTGCATGCCACTTCACAGCAGCCT
 CTGAGGAAAGACAAGGACAAGAAGAAT**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001252332
Insert Size:	1290 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:	<ol style="list-style-type: none">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_001252332.1</u> , <u>NP_001239261.1</u>
RefSeq Size:	4467 bp
RefSeq ORF:	1290 bp
Locus ID:	20362
UniProt ID:	<u>Q8CHH9</u>
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 (2) contains an alternate 3' terminal exon, resulting in novel 3' coding region and 3' UTR, compared to variant 4. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 4.