

Product datasheet for **MC227693**

Sept7 (NM_001205367) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Sept7
Synonyms:	Cdc10; E430034N22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC227693 representing NM_001205367
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCGGTCAGTGCAGATCCGCTGCTGCCGAGGAGAGCGTCAACTCGGCACCATGGCTCAACCGA
 AGAACCTTGAGGGCTATGTGGGCTTTGCCAACCTCCCAAATCAAGTGTACAGAAAATCCGTGAAAAGAGG
 ATTTGAATCACTCTTATGGTAGTAGTGAATCTGGACTGGGAAAGTCGACATTAATCAACTCATTATTC
 CTCACAGATTTGTATTCTCCAGAGTATCCAGGACCTTCTCATAGAATCAAAAAGACTGTACAGGTGGAGC
 AATCCAAAGTTTTAATCAAAGAAGGTGGTGTTCAGTTGCTGCTGACAATAGTTGATACTCCAGGATTTGG
 AGATGCAGTGGATAATAGTAATTGCTGGCAGCCTGTTATCGACTACATTGATAGTAAATTTGAAGATTAC
 TAAATGCAGAATCTCGAGTGAACAGAGCTCAGATGCCTGATAACAGGGTGCAGTGTGTTTATACTTCA
 TTGCTCCTCAGGACATGGACTTAAACCATTGGACATTGAGTTTATGAAACGTTTGCATGAAAAAGTGAA
 TATCATCCCATAATTGCCAAAGCAGACACACTTACCCAGAGGAATGCCAACAGTTTAAAAAGCAGATA
 ATGAAAGAAATTCAGAACATAAAATTAATATATGAATTTCCAGAAACAGATGATGAAGAAGAGAATA
 AACTGGTTAAGAAGATAAAGGACCGTTTACCTCTTGCTGTGGTAGGTAGTAATACTATCATTGAAGTTAA
 TGGCAAAGAGTCAGAGGAAGCAGTATCCTTGGGGTGTGGCTGAAGTTGAAAATGGTGAACATTGTGAT
 TTCACAATTCTAAGAAATATGTTGATAAGAACATATGCAGGACTTGAAGATGTTACCAATAACGTAC
 ACTATGAGAACTACAGAAGCAGAAAGCTAGCAGCAGTGACTTACAATGGAGTGGATAACAACAAGAACA
 AGGGCAGCTTACCAAGAGCCCTCTGGCACAGATGGAAGAAGAAAGGGAACATGTAGCCAAAATGAAG
 AAGATGGAGATGGAGATGGAACAGGTGTTGAGATGAAGTCAAAGAAAAGTTCAAAAAGTGAAGGACT
 CTGAAGCAGAGCTCCAGCGGCCATGAGCAAAATGAAAAGAATTTAGAAGCACAGCACAAAAGATTAGA
 GGAAAACGTCGTCAGTTTGAAGAAGAAAAGGCAAACTGGGAAGCTCAACAGCGTATTTTAGAGCAACAG
 AACTCTTCAAGAACCTTGAAAAGAACAAGAAGAAAGGCAAGATCTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001205367

Insert Size: 1311 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001205367.1 , NP_001192296.1
RefSeq Size:	2530 bp
RefSeq ORF:	1311 bp
Locus ID:	235072
UniProt ID:	O55131
Cytogenetics:	9 A4
Gene Summary:	Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Required for normal progress through mitosis. Involved in cytokinesis. Required for normal association of CENPE with the kinetochore. Plays a role in ciliogenesis and collective cell movements. Forms a filamentous structure with SEPTIN12, SEPTIN6, SEPTIN2 and probably SEPTIN4 at the sperm annulus which is required for the structural integrity and motility of the sperm tail during postmeiotic differentiation (By similarity).[UniProtKB/Swiss-Prot Function]