

Product datasheet for **MC226971**

Sept4 (NM_001284398) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sept4 (NM_001284398) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sept4
Synonyms: ARTS; Bh5; OTTMUSG00000001265; Pnutl2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226971 representing NM_001284398
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGACAAGGAGTATGTGGGCTTTGCAACCCTCCCAATCAAGTCCACAGGAAGTCTGTGAAGAAAG
GCTTTGACTTTACTCATGGTGGCAGGAGAATCTGGTCTGGGTAATCCACTCTTGTCAACAGCCTCTT
CCTCACTGACTTGTACCGGGATCGAAACTGCTGGGCGCCGAAGAGCGGATCATGCAAACCGTGGAGATT
ACTAAGCACGCAGTGGATATAGAAGAGAAGGGAGTGAGGCTGCGGCTCACCATTGTGGACTCCAGGAT
TTGGGGATGCAGTCAACAACACAGAGTCTGGAAGCCTGTGGCCGAATACATCGACCAGCAGTTTGAAGCA
GTACTTCCGAGACGAGAGTGGCCTGAACCGCAAGAACATCCAGGACAACCGGGTGCCTGCCTGTAC
TTCATCTCCCCGTTTGGCCACGGGCTCCGGCCATTGGATGTTGAATTCATGAAGGCCCTGCATCAGCGGG
TCAACATTGTGCCTATCTTGGCTAAGGCGGACACACTGACGCCTCCTGAAGTGGACCGAAAGAAATGCAA
AATCCGGGAGGAGATCGAGCACTTTGGAATCAAGATCTATCAGTCCCAGACTGTGATCCGATGAGGAC
GAGGACTTCAAATTACAGGACCAAGCCCTAAAGGAAAGCATCCCATTTGCGGTGATTGGCAGCAACTG
TGGTAGAAGCCAGGGGGCGGAGAGTTCGAGGCCCTCTACCCTGGGGCATCGTGAAGTGGAAACCC
AGGTCATGCGACTTTGTCAAGTTGAGGACGATGCTGGTGCATCCACATGCAGGACCTAAAGGATGTG
ACCCGAGAGACACACTACGAGAACTACAGGGCACAGTGTATCCAGAGCATGACCCGGCTAGTAGTGAAGG
AACGGAATCGCAAGGACAGATCCAGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001284398
Insert Size: 942 bp



[View online »](#)

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_001284398.1</u> , <u>NP_001271327.1</u>
RefSeq Size:	1357 bp
RefSeq ORF:	942 bp
Locus ID:	18952
UniProt ID:	<u>P28661</u>
Cytogenetics:	11 C
Gene Summary:	<p>Filament-forming cytoskeletal GTPase. 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). May play a role in cytokinesis (Potential). May play a role in platelet secretion (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence and uses an alternate splice junction in the 3' coding sequence compared to variant 1. The resulting isoform (4) has a longer and distinct N-terminus and a shorter and distinct C-terminus compared to isoform 4.</p>