

Product datasheet for **MC227662**

Sept4 (NM_001284394) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept4 (NM_001284394) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sept4
Synonyms:	ARTS; Bh5; OTTMUSG00000001265; Pnutl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227662 representing NM_001284394
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCATTCACTGGGATGGCAAGGGAAGCTGTCCCGAGGACGGGACTGAAGCTGGGATCAAGCACT
 TCCTGGAGGACAGCAGTGATGATGCTGAGCTGAGCAAGTTCGTGAAGGATTTCCAGGAAGCGAACCCTA
 CCACTCAGCGGAGTCCAAGACAAGGGTGGCCAGGCCCCAGATCTTGGAGCCAAGGCCCCAGAGCCAGAC
 CTCTGTGATGATGACGTGGAGTTTAGAGGCTCCTTGTGGCCCCAGCCCTCTGACAGTCAGCAGTACTTCA
 GTGCCCCAGCCCTCTCAGCCCTTCTCCAGGCCCCGAGTCCATGGGGCAAGCTTGATCCTTATGATTC
 CTCTGAGGATGACAAGGAGTATGTGGGCTTGAACCCTCCCAATCAAGTCCACAGGAAGTCTGTGAAG
 AAAGGCTTTGACTTTACTCATGGTGGCAGGAGAATCTGGTCTGGGTAATCCACTCTTGTCAACAGCC
 TCTTCTCACTGACTTGTACCGGATCGGAAACTGCTGGGCGCCGAAGAGCGGATCATGCAAACCGTGGA
 GATTACTAAGCACGCAGTGGATATAGAAGAGAAGGGAGTGAGGCTGCGGCTCACCATTGTGGACTCCA
 GGATTTGGGGATGCAGTCAACAACAGAGTGTGGAAGCCTGTGGCCGAATACATCGACCAGCAGTTTG
 AGCAGTACTTCCGAGACGAGAGTGGCTGAACCGCAAGAACATCCAGGACAACCGGGTGCCTGCTGCCT
 GTACTTCACTCCCCGTTTGGCCACGGGCTCCGGCCATTGGATGTTGAATTCATGAAGGCCCTGCATCAG
 CGGGTCAACATTGTGCCTATCTTGGTAAGGCGGACACTGACGCCCTCTGAAGTGGACCGAAAGAAAT
 GCAAAATCCGGGAGGAGATCGAGCACTTTGGAATCAAGATCTATCAGTTCAGACTGTGATTCCGATGA
 GGACGAGGACTTCAAATTACAGGACCAAGCCCTAAAGGAAAGCATCCCATTTGCGGTGATTGGCAGCAAC
 ACTGTGGTAGAAGCCAGGGGCGGAGAGTTCGAGGCCCTCTACCCTTGGGTCATCGTGGAAAGTGGAAA
 ACCCAGGTCACTGCGACTTTGTCAAGTTGAGGACGATGCTGGTGGTACCCACATGCAGGACCTAAAGGA
 TGTGACCCGAGAGACACACTACGAGAAGTACAGGGCACAGTGTATCCAGAGCATGACCCGGCTAGTAGTG
 AAGGAACGGAATCGCAAGGACAGATCCAGAAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001284394

Insert Size: 1296 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:	NM_001284394.1 , NP_001271323.1
RefSeq Size:	1670 bp
RefSeq ORF:	1296 bp
Locus ID:	18952
UniProt ID:	P28661
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 (3) uses an alternate splice junction in the 3' coding sequence compared to variant 1, that causes a frameshift. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1.</p>