

## Product datasheet for **MC216475**

### Sept4 (NM\_011129) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sept4 (NM_011129) 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



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**Fully Sequenced ORF:** >MC216475 representing NM\_011129  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACCATTCACTGGGATGGCAAGGAACTCTGTCCCGAGGACGGGACTGAAGCTGGGATCAAGCACT  
TCCTGGAGGACAGCAGTGATGATGCTGAGCTGAGCAAGTTCGTGAAGGATTTCCAGGAAGCGAACCCTA  
CCAAGGAGTCCAAGACAAGGGTGGCCAGGCCCCAGATCTTGGAGCCAAGGCCCCAGAGCCAGAC  
CTCTGTGATGATGACGTGGAGTTTAGAGGCTCCTTGTGGCCCCAGCCCTCTGACAGTCAGCAGTACTTCA  
GTGCCCCAGCCCTCTCAGCCCTTCTCCAGGCCCCGAGTCCATGGGGCAAGCTTGATCCTTATGATTC  
CTCTGAGGATGACAAGGAGTATGTGGGCTTTCGCAACCCTCCCAATCAAGTCCACAGGAAGTCTGTGAAG  
AAAGGCTTTGACTTTACTCATGGTGGCAGGAGAATCTGGTCTGGGTAATCCACTCTTGTCAACAGCC  
TCTTCTCACTGACTTGTACCGGATCGGAAACTGCTGGGCGCCGAAGAGCGGATCATGCAAACCGTGA  
GATTACTAAGCAGCAGTGGATATAGAAGAGAAGGGAGTGAGGCTGCGGCTCACCATTGTGGACTCCA  
GGATTTGGGGATGCAGTCAACAACAGAGTGTGGAAGCCTGTGGCCGAATACATCGACCAGCAGTTTG  
AGCAGTACTTCCGAGACGAGAGTGGCTGAACCGCAAGAACATCCAGGACAACCGGGTGCAGTGTGCT  
GTACTTCACTCCCCGTTTGGCCACGGGCTCCGGCCATTGGATGTTGAATTCATGAAGGCCCTGCATCAG  
CGGGTCAACATTGTGCTATCTTGGTAAGGCGGACACTGACGCCCTCTGAAGTGGACCAGAAAGAAAT  
GCAAAATCCGGGAGGAGATCGAGCACTTTGGAATCAAGATCTATCAGTCCCAGACTGTGATTCGGATGA  
GGACGAGGACTTCAAATTACAGGACCAAGCCCTAAAGGAAAGCATCCCATTTGCGGTGATTGGCAGCAAC  
ACTGTGGTAGAAGCCAGGGGCGGAGAGTTCGAGGCCCTCTACCCTTGGGGCATCGTGGAAAGTGGAAA  
ACCCAGGTCACGCGACTTTGTCAAGTTGAGGACGATGCTGGTGGTACCCACATGCAGGACCTAAAGGA  
TGTGACCCGAGAGACACACTACGAGAACTACAGGGCACAGTGTATCCAGAGCATGACCCGGCTAGTAGTG  
AAGGAACGGAATCGAACAACTGACAAGAGAGTGGTACTGACTTCCCTATCCCTGCTGTCCCACCAG  
GGACAGATCCAGAACTGAGAAGCTAATCCGGGAGAAAGACGAAGAGCTGCGGGGATGCAGGAGATGTT  
ACACAAAATCCAAAGACAGATGAAGGAGACTCACTAA

**ACCGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_011129

**Insert Size:** 1437 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).

**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\\_011129.2](#), [NP\\_035259.1](#)

RefSeq Size: 1723 bp

RefSeq ORF: 1437 bp

Locus ID: 18952

UniProt ID: [P28661](#)

Cytogenetics: 11 C

**Gene Summary:** 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).