

## Product datasheet for **MR220085**

### Sept6 (NM\_001177324) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sept6 (NM_001177324) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sept6
Synonyms:	2810035H17Rik; C920001C06Rik; mKIAA0128; Sep6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR220085 representing NM\_001177324  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCGGCCGATATAGCTCGCCAGGTGGGCGAAGATTGTGCGAACTGTCCCCCTGGCTGGACATGTGG  
 GGTTTCGACAGCTTGCTGACCAGCTGGTGAATAAGTCAGTCAGCCAGGGCTTCTGCTTCAACATCCTGTG  
 CGTGGGGGAGACAGGTTTGGGCAAGTCCACGCTCATGGATACCCTGTTTAAACACCAAGTTTGAAGGGGAG  
 CCAGCGACCCACACAGCCAGGGGTTAGCTCCAGTCCAATACCTACGACCTCCAGGAGAGCAACGTGG  
 GGTTGAAACTCACAATTGTGAGCACTGTAGGCTTTGGGGATCAGATCAACAAGGAGGACAGCTACAAGCC  
 CATCGTGGAAATTCATTGATGCTCAGTTTGGGCTACCTACAAGAGGAGCTGAAGATCCGAAGAGTACTG  
 CACTCCTACCATGACTCCCGAATCCATGTCTGCTTGTATTTTCATTGCCCGACAGGACATTGCTTAAAGT  
 CTCTGGACCTAGTGACCATGAAGAAGCTGGATAGTAAGGTGAACATCATTCCCGTTATTGCCAAGTCAGA  
 TGCCATTTCTAAGAGTGAGCTGGCAAAGTTCAAGATCAAAATCACCAGCGAACTTGTGAGCAATGGAGTC  
 CAGATCTATCAGTTCCCCACAGACGATGAGTCGGTGAGCGAGATCAATGGAACCATGAATGCCACCTGC  
 CGTTTGCTGTTGTTGGCAGCACAGAAGAAGTGAAGATAGGCAACAAGATGATGCGGGCTCGGCAGTATCC  
 TTGGGGGACTGTGCAGGTTGAAAACGAGGCTCACTGCGACTTTGTGAAGCTGCGGGAGATGCTGATTGCG  
 GTCAACATGGAGGATCTGCGGGAGCAGACCCACGCCCGGCACTATGAATTGTACCGCCGCTGAAGCTGG  
 AGGAGATGGGCTTCAAGGACACCGACCTGACAGCAAACATTAGTTTGCAGGAGACATATGAGGCAAA  
 GAGAAATGAGTTCTTGGGGAGCTCCAGAAGAAAGAAGAGGAGATGAGGCAGATGTTTGTCCAGAGAGTC  
 AAAGAGAAAGAAGCGGAGCTCAAGGAGGCTGAAAAGAGCTGCATGAGAAATTTGACCGTCTGAAGAAAC  
 TGCACCAGGAAGAGAAGAAGAAGCTGGAGGATAAGAAGAAATGTCTGGATGAGGAAATGAACGCCCTCAA  
 GCAGAGAAAGGCCGACGCTGAGCTGCTCCAGTCTCAGGGCTCTCAGGCTGGGGGCTCACAGACTCTGAAA  
 AGGGACAAAGAGAAGAAGAATAACCCATGGCTGTGTATTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220085 representing NM\_001177324  
 Red=Cloning site Green=Tags(s)

MAAADIRQVGEDCRTVPLAGHVGFDLSDLPDQLVNKSVSQGFCFNILCVGETGLGKSTLMDTLFNTKFEGE  
 PATHTQPGVQLQSNTYDLQESNVLKLTIVSTVGFQDQINKEDSYKPIVEFIDAQFEAYLQEELKIRRVL  
 HSYHDSRIHVCLYFIAPTGHSLSLDLVTMKKLDSKVNIPVIAKSDAISKSELAKFKIKITSELVSNV  
 QIYQFPTDDESSEINGTMNAHLPFVAVGSTEIVKIGNKMMRQYYPWGTVOVENEAHCDFVKLREMLIR  
 VNMEDLREQTHARHYELYRRCKLEEMGFKDTPDSKPFSLQETYEAKRNEFLGELQKKEEEMRQMFVQRV  
 KEKEAELKEAEKELHEKFDRLKKLHQEKKKLEDKCKLDEEMNAFKQRKAAEELLQSQSQAGGSQTLK  
 RDKEKKNPWLCIE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_001177324

ORF Size: 1302 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001177324.1](#), [NP\\_001170795.1](#)

RefSeq Size: 3494 bp

RefSeq ORF: 1305 bp

Locus ID: 56526

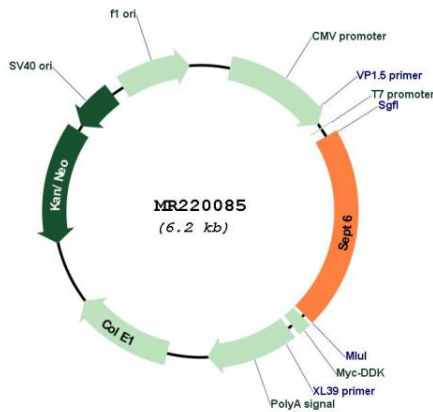
UniProt ID: [Q9R1T4](#)

Cytogenetics: X A3.3

MW: 50.1 kDa

Gene Summary: Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Involved in cytokinesis. 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]

Product images:



Circular map for MR220085