

Product datasheet for **MC201041**

Sept6 (BC010489) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept6 (BC010489) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sept6
Synonyms:	2810035H17Rik; C920001C06Rik; mKIAA0128; Sep6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010489
 GAGCTCTTCTGTTTCTGTGCAGCAGCTCCCGTTGCGGAGGCACCCGAAGCAGCCCTGGCGGACCAAGGA
 GCGATGGCAGCGGCCGATATAGCTCGCCAGGTGGGCGAAGATTGTGCAACTGTCCCCCTGGCTGGACATG
 TGGGGTTGCAGAGCTTGCCTGACCAGCTGGTGAATAAGTCAGTCAGCCAGGGCTTCTGCTCAACATCCT
 GTGCGTGGGGGAGACAGGTTTGGCAAGTCCACGCTCATGGATACCCTGTTTAAACACCAAGTTTGAAGGG
 GAGCCAGCGACCCACACACAGCCAGGGGTTGAGTCCAGTCCAATACCTACGACCTCCAGGAGAGCAACG
 TGGGGTTGAAACTCACAATTGTGAGCACTGTAGGCTTTGGGGATCAGATCAACAAGGAGGACAGCTACAA
 GCCCATCGTGGAATTCATTGATGCTCAGTTTGGGCTACCTACAAGAGGAGCTGAAGATCCGAAGAGTA
 CTGCACTCCTACCATGACTCCCGAATCCATGTCTGCTGTTTATTTCATTGCCCGACAGGACATTCCGTTA
 AGTCTCTGGACCTAGTGACCATGAAGAAGCTGGATAGTAAGGTGAACATCATTCCCGTTATTGCCAAGTC
 AGATGCCATTTCTAAGAGTGAGCTGGCAAAGTTCAAGATCAAAATCACCAGCGAAGTTGTGAGCAATGGA
 GTCCAGATCTATCAGTTCACACAGACGATGAGTCGGTGAGCGAGATCAATGGAACCATGAATGCCACC
 TGCCGTTTGTGTTGTTGGCAGCACAGAAGAAGTGAAGATAGGCAACAAGATGATGCGGGCTCGGCAGTA
 TCCTTGGGGGACTGTGCAGGTTGAAAACGAGGCTCACTGCGACTTTGTGAAGCTGCGGGAGATGCTGATT
 CGGGTCAACATGGAGGATCTGCGGGAGCAGACCCACGCCGCACTATGAATTGTACCGCCGCTGTAAAGC
 TGGAGGAGATGGGCTTCAAGGACACCGACCTGACAGCAAACCATTCAGTTTGCAGGAGACATATGAGGC
 AAAGAGAAATGAGTTCCTTGGGGAGCTCCAGAAGAAAGAGAGGAGATGAGGCAGATGTTTGTCCAGAGA
 GTCAAAGAGAAAGAAGCGGAGCTCAAGGAGGCTGAAAAGAGCTGCATGAGAAATTTGACCGTCTGAAGA
 AACTGCACCAGGAAGAGAAGAAGAGCTGGAGGATAAGAAGAAATGTCTGGATGAGGAAATGAACGCCTT
 CAAGCAGAGAAAGGCGGCAGCTGAGCTGCTCCAGTCTCAGGGCTCTCAGGCTGGGGGCTCACAGACTCTG
 AAAAGGGACAAAGAGAAGAAGAAATTAACCTGCTGTTTGTGTCATGCTGCATGACACCCAGGGTCTGTT
 TGGGTTCCCTGTAGACGCGCCCTTCCCTGTGCAACAGAGCTGGGCTTCCCTCTCTTTATTTCCCCCTTA
 ACATGCTTAGAGGGCATAACCCCATGCCTTCCCTTTTTCTTCCCTCAAATGTTTATAGAAGCCTGAGAG
 TCAAATGATGATGCTGGTTCCCTGACCAAGAAGCCAGCAATCTCGTGGCTTGGAGATACATTCCATACCT
 CAGTCCCTCTCCTAGTACCCTCCACCATATGCTCTCTCACATCCTCAATCCATCTCTGCCAGACTCACAC
 ATGTTTACAGGCTACTGTTTGTCACTTTTGTGTACCAGCTTCCCCATTAGAATCAACCGATACTTGT
 TCTTGAAGAAATTTCCATCCACAGTCAGGGGTCAGAACTGTCCCCTTATACTCCTGCATCCTAGTCACTG
 GGATTGTTCTCCCACTCTCTAATGCCAAGAGCCATAGCCCTTATAATAGGTTCTAAAAGAATTGCCAG
 CGATGCCTGTTTCTTCTCCATCTTAGCCAAGCCCTTTCTTGATTTCTTTATTCGGAGTCAGTTTACAC
 AAGCTGTGTTAAAAGTCAGCCACACATTTATTCACACCAAGCCCTTCTATACAAAACACAATTGCTGGA
 ACAGATAGTGATATTCCCCTCTAATTCTAGGGACCCCCACAGATACAGAAGGGAAAAATAAAGTGA
 ATGTTATCACAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC010489

Insert Size: 1284 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: [BC010489](#), [AAH10489](#)

RefSeq Size: 2126 bp

RefSeq ORF: 1284 bp

Locus ID: 56526

Cytogenetics: X A3.3

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]