

Product datasheet for **MC227639**

Sept6 (NM_001253706) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Sept6
Synonyms:	2810035H17Rik; C920001C06Rik; mKIAA0128; Sep6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>MC227639 representing NM_001253706 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCCGGATCGCC ATGGCAGCGGCCGATATAGCTCGCCAGGTGGCGAAGATTGTGAACTGTCCCCCTGGCTGGACATGTGG GGTTCGACAGCTTGCCTGACCAGCTGGTGAATAAGTCAGTCAGCCAGGGCTTCTGCTTCAACATCCTGTG CGTGGGGGAGACAGGTTTGGGCAAGTCCACGCTCATGGATACCCTGTTTAAACCAAGTTTGAAGGGGAG CCAGCGACCCACACAGCCAGGGGTTAGCTCCAGTCCAATACCTACGACCTCCAGGAGAGCAACGTGG GGTTGAAATCACAATTGTGAGCACTGTAGGCTTTGGGGATCAGATCAACAAGGAGGACAGCTACAAGCC CATCGTGGAATTCATTGATGCTCAGTTTGAGGCCTACCTACAAGAGGAGCTGAAGATCCGAAGAGTACTG CACTCTACCATGACTCCCGAATCCATGTCTGCTTGTATTTTCATTGCCCCGACAGGACATTGCTTAAGT CTCTGGACCTAGTGACCATGAAGAAGCTGGATAGTAAGGTGAACATCATTCCCGTTATTGCCAAGTCAGA TGCCATTTCTAAGAGTGAGCTGGCAAAGTTCAAGATCAAAATCACCAGCGAACTTGTGAGCAATGGAGTC CAGATCTATCAGTTCCCCACAGACGATGAGTCGGTGAGCGAGATCAATGGAACCATGAATGCCACCTGC CGTTTGCTGTTGTTGGCAGCACAGAAGAAGTGAAGTAGGCAACAAGATGATGCGGGCTCGGCAGTATCC TTGGGGGAGCTGTGCAGGTTGAAAACGAGGCTCACTGCGACTTTGTGAAGCTGCGGGAGATGCTGATTGCG GTCAACATGGAGGATCTGCGGGAGCAGACCCACGCCCGGCACTATGAATTGTACCGCGCTGTAAGCTGG AGGAGATGGGCTTCAAGGACACCGACCCTGACAGCAAACTTCAGTTTGCAGGAGACATATGAGGCAAA GAGAAATGAGTTCCTTGGGGAGCTCCAGAAGAAAGAAGAGGAGATGAGGAGATGTTTGTCCAGAGAGTC AAAGAGAAAGAAGCGGAGCTCAAGGAGGCTGAAAAGAGCTGCATGAGAAATTTGACCGTCTGAAGAAAC TGCACAGGAAGAAGAAGAAGCTGGAGGATAAGAAGAAATGTCTGGATGAGGAAATGAACGCCTTCAA GCAGAGAAAGGCGCAGCTGAGCTGCTCCAGTCTCAGGGCTCTCAGGCTGGGGCTCACAGACTCTGAAA AGGGACAAAGAGAAGAAGATTAA ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	Sgfl-MluI
ACCN:	NM_001253706
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).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001253706.1, NP_001240635.1</u>
RefSeq Size:	4737 bp
RefSeq ORF:	1284 bp
Locus ID:	56526
UniProt ID:	<u>Q9RIT4</u>
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]