

Product datasheet for **MG206812**

Sept6 (BC010489) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept6 (BC010489) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sept6
Synonyms:	2810035H17Rik; C920001C06Rik; mKIAA0128; Sep6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206812 representing BC010489 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCGCCGATATAGCTCGCCAGGTGGGCGAAGATTGTCGAACTGTCCCCCTGGCTGGACATGTGG
GGTTCGACAGCTTGCTGACCAGCTGGTGAATAAGTCAGTCAGCCAGGGCTTCTGCTTCAACATCTGTG
CGTGGGGAGACAGGTTTGGGCAAGTCCACGCTCATGGATACCCTGTTTAAACCAAGTTTGAAGGGGAG
CCAGCGACCCACACAGCCAGGGTTCAGCTCCAGTCCAATACCTACGACCTCCAGGAGAGCAACGTGG
GGTTGAAACTCACAATTGTGAGCACTGTAGGCTTTGGGGATCAGATCAACAAGGAGGACAGCTACAAGCC
CATCGTGGAAATCATTGATGCTCAGTTTGGGCTACCTACAAGAGGAGCTGAAGATCCGAAGAGTACTG
CACTCCTACCATGACTCCCGAATCCATGTCTGCTTGTATTTTATTGCCCGACAGGACATTTCGCTTAAAGT
CTCTGGACCTAGTGACCATGAAGAAGCTGGATAGTAAGGTGAACATCATTCCCCTTATTGCCAAGTCAGA
TGCCATTTCTAAGAGTGAGCTGGCAAAGTTCAAGATCAAATCACCAGCGAACTTGTGAGCAATGGAGTC
CAGATCTATCAGTTCCACAGACGATGAGTCGGTGAGCGAGATCAATGGAACCATGAATGCCCACTGC
CGTTTGTCTGTTGTTGGCAGCACAGAAGAAGTGAAGATAGGCAACAAGATGATGCGGGCTCGGCAGTATCC
TTGGGGGACTGTGCAGGTTGAAAACGAGGCTCACTGCGACTTTGTGAAGCTGCGGGAGATGCTGATTCCG
GTCAACATGGAGGATCTGCGGGAGCAGACCCACGCCCGCACTATGAATTGTACCGCCGTGTAAGCTGG
AGGAGATGGGCTTCAAGGACACCGACCCTGACAGCAAACCATTCAGTTTGCAGGAGACATATGAGGCAAA
GAGAAATGAGTTCCTTGGGGAGCTCCAGAAGAAAAGAGGAGATGAGGCAGATGTTTGTCCAGAGAGTC
AAAGAGAAAAGAGCGGAGCTCAAGGAGGCTGAAAAAGAGCTGCATGAGAAATTTGACCGTCTGAAGAAAC
TGCACCAGGAAGAGAAGAAGCTGGAGGATAAGAAGAATGTCTGGATGAGGAAATGAACGCCTTCAA
GCAGAGAAAGGCGCAGCTGAGCTGCTCCAGTCTCAGGGCTCTCAGGCTGGGGCTCACAGACTCTGAAA
AGGGACAAAGAGAAGAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206812 representing BC010489
 Red=Cloning site Green=Tags(s)

MAAADIARQVGEDCRTVPLAGHVGFDLDPQLVNKSVSQGFCFNILCVGETGLGKSTLMDTLFNTKFEGE
 PATHTQPGVQLQSNTYDLQESNVGLKLTIVSTVGFGDQINKEDSYKPIVEFIDAQFEAYLQEELKIRRVL
 HSYHDSRIHVCLYFIAPTGHSLKSLDLVTMCKLDSKVNIIPVIAKSDAISKSELAKFKIKITSELVSNQV
 QIYQFPTDDESVEINGTMNAHLPFVAVGSTEEVKIIGNKMMRARQYPWGTVQVENEAHCDFVKLREMLIR
 VNMEDLREQTHARHYELYRRCKLEEMGFKDTDPDSKPFSLQETYEAKRNEFLGELQKKEEEMRQMFVQRV
 KEKEAELKEAEKELHEKFDRLKHLHQEEKKLEDKKKCLDEEMNAFKQRKAAAELLQSQGSQAGGSQTLK
 RDKEKKN

TRTRPLE - GFP Tag - V

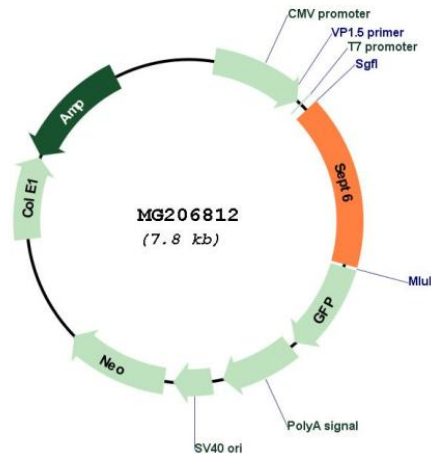
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC010489

ORF Size:	1283 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:	<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:	BC010489 , AAH10489
RefSeq Size:	2126 bp
RefSeq ORF:	1283 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]