

Product datasheet for **MG206850**

Sept8 (BC059248) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept8 (BC059248) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sept8
Synonyms:	AW046166; mKIAA0202; Sep1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206850 representing BC059248 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCACCGACTTGAACGCGTCTCGAACGCAGAGCCTGAGCCCCGGAGCCTGTCCCTGGGCGGCC
ATGTTGGGTTTGACAGCCTCCCTGACCAGCTGGTCAGCAAGTCAGTCACTCAGGGCTTCAGCTTCAACAT
ACTCTGTGTGGGCGAACTGGGATTGGCAAGTCCACGCTAATGAACACACTCTTCAACACGACCTTTGAG
ACTGAAGAAGCCAGTCACCATGAAGAGTGTGTGCGCTGCGGCCCTCAGACCTATGACCTCAAGAGAGTA
ACGTTTCATCTCAAGCTGACCATCGTGGATGCTGTGGGCTTTGGCGATCAGATCAATAAGGATGACAGTTA
CAGGCCCATAGTTGACTACATCGACGCGAGTTTGAAAATATCTGCAGGAGGAGTTGAAGATCCGCCGT
TCCTCTTTGACTATCACGACACGAGGATCCATGTTTGCCTCTACTTCATCACGCCACCGGCACTCCC
TGAAGTCCCTGGATCTGGTGACCATGAAGAACTAGATAGCAAGGTGAATATAATCCCCATCATTGCCAA
GGCTGACACCATCTCAAGAGCGAGCTCCACAAGTTCAAATCAAGATCATGGGTGAGCTGGTCAGCAAC
GGAGTCCAGATCTACCAGTTTCCACCGATGACGAGGCTGTCGCCGAGATTAATGCAGTCATGAACGCAC
ACCTGCCTTTTCCCGTGGTGGGCGAGCACAGAGGAGGTGAAGTGGGGAATAAGCTGGTTCGAGCACGACA
GTACCTTGGGGTGTGGTGCAGGTGGAGAATGAGAATCACTGTGACTTCGTGAAGCTGCGGGAGATGCTG
ATCCGGGTGAACATGGAGGACCTGCGCGAGCAGACCCACAGCCGCACTACGAGCTTACCGCCGCTGCA
AGTTGGAGGAGATGGGCTTCCAGGACAGTACCGGTGACAGCCAGCCCTTACGCTCCAAGAGACATATGA
GGCAAAGAGGAAGGAGTTCTAAGCGAGCTGCAGAGGAAGGAGGAAGAGATGCGACAGATGTTTGTCAAC
AAAGTCAAGGAGACAGAGCTTGAGCTGAAGGAGAAGGAACGGGAGCTCCATGAGAAGTTTGAACCTGA
AGCGAATCCACCAGGAGGAGAAGCGCAAGGTAGAGGAGAAGCGCAGGGAGCTGGAAGAGGAGACCAACGC
CTTCAACTGCCGAAGGCGGCCATGGAGGCCCTGCAGTCACAGGCCTTGCATGCCACTTCACAGCAGCCT
CTGAGGAAAGACAAGGACAAGAAGAAATTT

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206850 representing BC059248
Red=Cloning site Green=Tags(s)

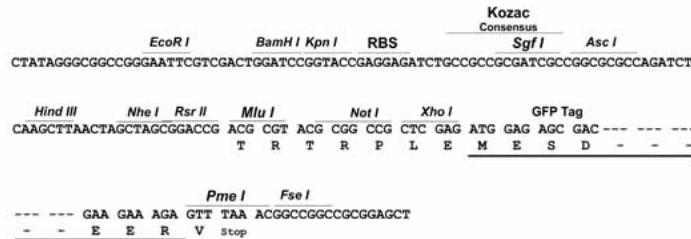
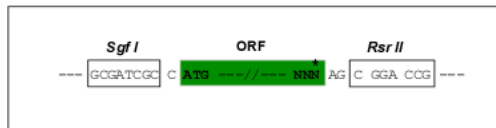
MAATDLERVSNAEPEPRSLSLGGHVGFDSLDPQLVSKSVTQGFNFILCVGETGIGKSTLMNTLFNTTFE
 TEEASHHEECVRLRPQTYDLQESNVHLKLTIVDAVGFQDQINKDSDYRPIVDYIDAQFENYLQEELKIRR
 SLFDYHDTRIHVCLYFITPTGHSLKSLDLVTMKKLDKVNIIPIIAKADTISKSELHKFKIKIMGELVSN
 GVQIYQFPTDDEAVAEINAVMNAHLPFVAVGSTEVEKVGKLVRRARQYPWGVVQVENENHCDFVKLREML
 IRVNMEDLREQTHSRHYELYRRCKLEEMGFQSDGDSQPFSLQETYEAKRKEFLSELQRKEEMRQMFVN
 KVKETELELKEKERELHEKFEHLKRIHQEELKRVVEEKRELEEETNAFNCRKAAMEALQSQUALHATSQQP
 LRKDKDKKKF

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC059248

ORF Size: 1292 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: [BC059248](#), [AAH59248](#)

RefSeq Size: 4583 bp

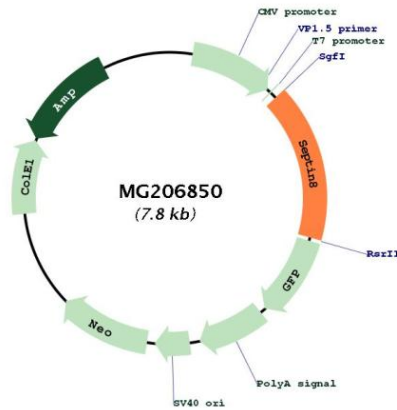
RefSeq ORF: 1292 bp

Locus ID: 20362

Cytogenetics: 11 31.96 cM

Gene Summary: Filament-forming cytoskeletal GTPase (By similarity). May play a role in platelet secretion (By similarity). Seems to participate in the process of SNARE complex formation in synaptic vesicles (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206850