

Product datasheet for **MR229851**

Sept8 (NM_001252333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sept8 (NM_001252333) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sept8
Synonyms:	AW046166; Sepl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR229851 representing NM_001252333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCACCGACTTGAACGCGTCTCGAACGCAGAGCCTGAGCCCCGGAGCCTGTCCCTGGGCGGCC
 ATGTTGGGTTTGACAGCCTCCCTGACCAGCTGGTCAGCAAGTCAGTCACTCAGGGCTTCAGCTTCAACAT
 ACTCTGTGTGGGCGAAACTGGGATTGGCAAGTCCACGCTAATGAACACACTCTTCAACACGACCTTTGAG
 ACTGAAGAAGCCAGTCACCATGAAGAGTGTGTGCGCCTGCGGCCTCAGACCTATGACCTCCAAGAGAGTA
 ACGTTCATCTCAAGCTGACCATCGTGGATGCTGTGGGCTTTGGCGATCAGATCAATAAGGATGACAGGCC
 CATAGTTGACTACATCGACGCGCAGTTTGAACACTATCTGCAGGAGGAGTTGAAGATCCGCCGTTCCCTC
 TTTGACTATCACGACACGAGGATCCATGTTTGCCTCTACTTCATCACGCCACCGGGCACTCCCTGAAGT
 CCCTGGATCTGGTGACCATGAAGAACTAGATAGCAAGTGAATAATAATCCCATCATTGCCAAGGCTGA
 CACCATCTCCAAGAGCGAGCTCCACAAGTTCAAATCAAGATCATGGGTGAGCTGGTCAGCAACGGAGTC
 CAGATCTACCAGTTTCCACCGATGACGAGGCTGTGCGCGAGATTAATGCAGTCATGAACGCACACCTGC
 CTTTTGCCGTGGTGGGACGACAGAGGAGTGAAGTGGGGAATAAGCTGGTTCGAGCAGCAGACGATACCC
 TTGGGGTGTGGTGCAGGTGGAGAATGAGAATCACTGTGACTTCGTGAAGCTGCGGGAGATGCTGATCCGG
 GTGAACATGGAGGACCTGCGCGAGCAGACCCACAGCCGCACTACGAGCTCTACCGCCGCTGCAAGTTGG
 AGGAGATGGGCTTCCAGGACAGTGCAGGTGACAGCCAGCCCTTCAAGCTCCAAGAGACATATGAGGCAAA
 GAGGAAGGAGTTCTAAGCGAGCTGCAGAGGAAGGAGGAGAGATGCGACAGATGTTTGTCAACAAGTC
 AAGGAGACAGAGCTTGAGCTGAAGGAGAAGGAACGGGAGCTCCATGAGAAGTTTGAACACCTGAAGCGAA
 TCCACCAGGAGGAGAAGCGCAAGGTAGAGGAGAAGCGCAGGGAGCTGGAAGAGGAGACCAACGCCTTCAA
 CTGCCGGAAGGCGGCCATGGAGGCCCTGCAGTCACAGGCCCTTGATGCCACTTCACAGCAGCCTCTGAGG
 AAAGACAAGGACAAGAAGAAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

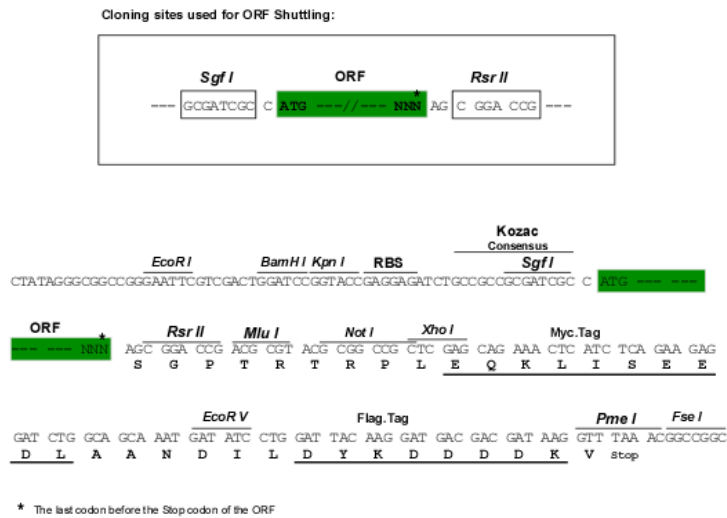
>MR229851 representing NM_001252333
 Red=Cloning site Green=Tags(s)

MAATDLERSNAEPEPRSLSLGGHVGFDLDPQLVSKSVTQGFNFILCVGETGIGKSTLMNTLFNTTFE
 TEEASHHEECVRLRPQTYDLQESNVHLKLTIVDAVGFQDQINKDDRPIVDYIDAQFENYLQEELKIRRSL
 FDYHDTRIHVCLYFITPTGHSLKSLDLVTMKLDSKVNIIPIIAKADTISKSELHKFKIKIMGELVSNV
 QIYQFPDDEAVAEINAVMNAHLPFVAVGSTEIVKVGKLVRRARQYPWGVVQVENENHCDFVKLREMLIR
 VNMEDLREQTHSRHYELYRRCKLEEMGFQSDGDSQPFSLQETYEAKRKEFLSELQRKEEEMRQMFVNKV
 KETELKKEKERELHEKFEHLKRIHQEEKRKVEEKRRELEEETNAFNCRKAAMEALQSQALHATSQQPLR
 KDKDKKN

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_001252333

ORF Size: 1281 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_001252333.1](#), [NP_001239262.1](#)

RefSeq Size: 4461 bp

RefSeq ORF: 1284 bp

Locus ID: 20362

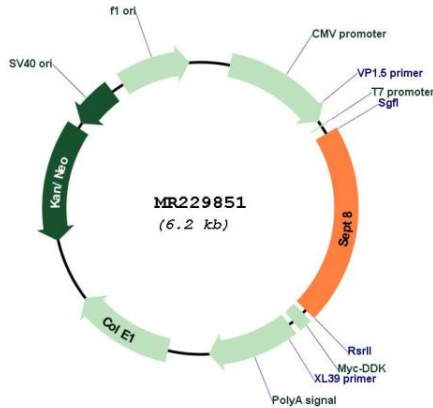
UniProt ID: [Q8CHH9](#)

Cytogenetics: 11 31.96 cM

MW: 50 kDa

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 MR229851