

## Product datasheet for MR225282

### Sept5 (NM\_213614) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sept5 (NM_213614) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sept5
Synonyms:	Cdcrel-1; Cdcrel1; Pnutl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225282 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCACAGGACTGCGGTACAAAAGCAAGCTGGCGACCCAGAGGACAAACAGGACATCGACAAGCAGT  
ACGTTGGCTTCGCCACACTGCCAACAGGTGCACCGCAAGTCCGTCAAGAAAGTTTCGACTTCACGCT  
CATGGTGGCCGGTGAAGTCCGGCCTGGGGAAGTCCACCCTTGTCATAGCCTCTTTCTGACCGACCTGTAT  
AAGGACCGGAAACTGCTGAGTGTGAGGAACGCATCAACCAGACGGTAGAGATCCTGAAACACACCGTGC  
ACATTGAGGAGAAGGGGTCAAGTTAAAGCTCACCATTGTGGACACGCCCGCTTTGGGGACCGGTGAA  
CAACTCTGAATGTTGGAAGCCCATCACTGACTATGTGGACCAGCAGTTTGAGCAGTATTTCCGTGATGAG  
AGTGGCCTGAACCGCAAGAACATCCAGGACAACCGGTACACTGCTGCCTGTACTTCATCTCCCCGTTCCG  
GACACGGACTGAGGCCAGTGGATGTAGGCTTCATGAAGGCACTGCATGAGAAGGTGAACATCGTCCCACT  
CATCGCCAAAGCTGACTGCCTGGTGCACAGTGCAGATCCGGAAGCTGAAGGACAGAATACGTGAGGAGATC  
GACAAGTTTGGGATCCACGTGTACAGTTTCCAGAATGTATTCCGGATGAAGATGAAGACTTCAAGCAAC  
AGGACCGGAACTGAAGGAAAGTGCACCCTTCGCCGTTATTGGCAGCAACTGTGGTGGAGGCCAAGGG  
GCAGCGGTCCGGGGCGACTGTACCCCTGGGGGATCGTGAAGTGGAGAATCAGGCGCACTGCGACTTT  
GTGAAGCTCCGCAACATGCTCATCCGCACTCACATGCACGACCTCAAAGATGTGACGTGCGACGTGCAT  
ATGAGAACTACCGTGCACACTGCATCCAGCAGATGACCAGCAAACCTCACCAGGACAGCCGATGGAGAG  
CCCCATTCTATCCTCCCACTACCCACACCGGATGCGGAGACCGAGAAGCTCATCAGGATGAAGGATGAA  
GAGCTAAGGCGCATGCAGGAGATGTTGCAGAAGATGAAGCAGCAAATGCAAGACCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR225282 protein sequence  
 Red=Cloning site Green=Tags(s)

MSTGLRYKSKLATPEDKQIDKQYVGFATLPNQVHRKSVKKGDFFTLMVAGESGLGKSTLVHSLFLTDLY  
 KDRKLLSAEERINQTVELKHTVDIEEKGVKLLTIIVDTPGFGDAVNNSECWKPIIDYVDQQFEQYFRDE  
 SGLNRKNIQDNRVHCCLYFISPFHGLRPVDVGFMKALHEKVNI VPLIAKADCLVPSEIRKLDRIREEI  
 DKFGIHVYQFPECDSDEDEDFKQQDRELKESAPFAVIGSNTVVEAKQQRVRGRLYPWGIVEVENQAHCDF  
 VKLRNMLIRTHMHDLDKDVTCDVHYENYRAHCIQQMTSKLTQDSRMESPIILPLPTDAETEKLIRMKDE  
 ELRRMQEMLQKMKQMQDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_213614

**ORF Size:** 1110 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\\_213614.2](#), [NP\\_998779.2](#)

**RefSeq Size:** 2155 bp

**RefSeq ORF:** 1110 bp

**Locus ID:** 18951

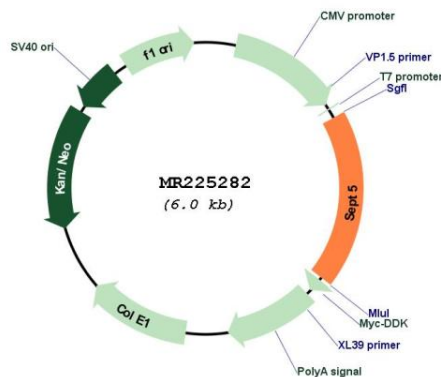
**UniProt ID:** [Q9Z2Q6](#)

**Cytogenetics:** 16 11.53 cM

**MW:** 42.7 kDa

**Gene Summary:** Filament-forming cytoskeletal GTPase (By similarity). Involved in cytokinesis (Potential). May play a role in platelet secretion.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR225282