

Product datasheet for MC215879

Sept7 (NM_009859) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sept7 (NM_009859) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sept7
Synonyms: Cdc10; E430034N22
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215879 representing NM_009859
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGGTCAGTGCAGATCCGCTGCTGCCGAGGAGAGCGTCAACTGCGGCACCATGGTAGCTCAAC
 CGAAGAACCTTGAGGGCTATGTGGGCTTTGCCAACCTCCCAAATCAAGTGTACAGAAAATCCGTGAAAAG
 AGGATTTGAATCACTCTTATGGTAGTAGTGAATCTGGACTGGGAAAGTCGACATTAATCAACTCATT
 TTCCCTCACAGATTTGATTCTCCAGAGTATCCAGGACCTTCTCATAGAATCAAAAAGACTGTACAGGTGG
 AGCAATCCAAAGTTTTAATCAAAGAAGGTGGTGTTCAGTTGCTGCTGACAATAGTTGATACTCCAGGATT
 TGGAGATGCAGTGGATAATAGTAATTGCTGGCAGCCTGTTATCGACTACATTGATAGTAAATTTGAAGAT
 TACTTAAATGCAGAACTCGAGTGAACAGACGTCAGATGCCTGATAACAGGGTGCAGTGTGTTTACT
 TCATTGCTCCTTCAGGACATGGACTTAAACCATTGGACATTGAGTTTATGAAACGTTTGCATGAAAAAGT
 GAATATCATCCCATTAATTGCCAAAGCAGACACACTTACACCAGAGGAATGCCAACAGTTTAAAAAGCAG
 ATAATGAAAGAAATTCAGAACATAAAATTAATATGAATTTCCAGAAACAGATGAAGAAGAGA
 ATAAACTGGTTAAGAAGATAAAGGACCGTTTACCTCTTGCTGTGGTAGGTAGTAATACTACTATTGAAGT
 TAATGGCAAAGAGTCAGAGGAAGGCAGTATCCTTGGGGTGTGGCTGAAGTTGAAAATGGTGAACATTGT
 GATTTCACAATTCTAAGAAATATGTTGATAAAGAACACATATGCAGGACTTAAAAGATGTTACCAATAACG
 TACACTATGAGAACTACAGAAGCAGAAAGCTAGCAGCAGTGACTTACAATGGAGTGGATAACAACAAGAA
 CAAAGGGCAGCTTACCAAGAGCCCTCTGGCACAGATGGAAGAAGAAAGAAAGGGAACATGTAGCCAAAATG
 AAGAAGATGGAGATGGAGATGGAACAGGTGTTGAGATGAAGGTCAAAGAAAAAGTTCAAAAAGTGAAGG
 ACTCTGAAGCAGAGCTCCAGCGGCCATGAGCAAATGAAAAAGAAATTTAGAAGCACAGCACAAAGAAAT
 AGAGGAAAAACGTCGTCAGTTTGAAGAAGAAAAGGCAAAGTGGGAAGCTCAACAGCGTATTTAGAGCAA
 CAGAACTTTCAAGAACCTTGAAAAGAACAAGAAGAAAGGCAAGATCTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_009859 |
| Insert Size: | 1314 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). |
| 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: | <u>NM_009859.4</u> , <u>NP_033989.2</u> |
| RefSeq Size: | 2533 bp |
| RefSeq ORF: | 1314 bp |
| Locus ID: | 235072 |
| Cytogenetics: | 9 A4 |
| Gene Summary: | Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Required for normal progress through mitosis. Involved in cytokinesis. Required for normal association of CENPE with the kinetochore. Plays a role in ciliogenesis and collective cell movements. 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] |