

Product datasheet for MC211236

Cenpu (NM_027973) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cenpu (NM_027973) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cenpu
Synonyms: 1700029A22Rik; Mlf1ip
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211236 representing NM_027973
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAAGGAGAAGTTTGAGATACTCGGGAAACCCGGGTGCAAACATTCAAAGAACACTTTGAGAA
 GCACATATTCAGGAAACAGAAAGCTGGTCCAAAGCCCCGGCCCAAGGATGTGTTTGACTTTTCTAATAA
 TTCTGATGCCTCAAGCATACCGGGAGCACTCGAGGAAGAAGAGGAGACTTACGAAACCTTCGACCCCT
 CTGCACAGTACGGCTATCTACGCAAGAAGACGAGCTGTCCAACACTGTGTCTCCAGTCCCTGGCCA
 CCCACAGAGGGAAGGCGAGCAGAAAATTGGACCTTCTGAAGATGAAGCAAGTGGAAATGAGTCTATCAA
 GGTGAGCACAAGGCAAGGAGAAAGCTGGAGCCCATCAGCGGCGAGTCCGACAGCTCTGCAGATGAT
 GTAAGGAGGAGGGTGGCATCTGCAGAAGGACCAAGGTCACAGCAACGCCAGGCTGCTCCTGCAGCACCGT
 CACCCCTGAGAGGCCAGCCGAGCCGGTCACTCCAGGAGGACAAGACTCCACAGCGCTCAGCTCTCTCC
 TGTAGACGAGACACCAGCAACCCAAAGTCAGCTGAAAACCTCAGAAGAAAGTCCGGCCGCTCCTGGCAGG
 AGGAAGAGACCAAGGCGCGGACACAGACACAGATGGTCTGAAAGTATGCATATCTGGTGTCTGGAAG
 GAAAGAGACAGAGTGACATAACGGAGTTGGATGTTATTCTGTCTGATTTGAGAAAACCTTCCTGGAGTA
 TAAGCAAAGAGTAGAATCTGAAAGTTGTAATCAAGCCATCAACAAGTTTTATTTTAAAATGAAAGGAGAA
 CTCATCAGAATGCTTAAAGAAGCCAGATGTTAAAGCCCTGAAAATGAAGAACCAAGATAATTGCCA
 ACATGGAAAAGAAAAGGCAGCGTTTAAATTGAAGTCCAGGATGAAGTATTGATTAGAACCAACTGAA
 ACAACTACAAACAAAATATGATGACCTTAAAGGAGAGAAAGTCACTTAAAGTCCAAGCATTCTTAA
 TCTAATTTAAACAGCTGTGTCAAGATTATCAAACGTTCAAGAGAAAGGACCAAGGGAACGGGAAAGT
 ATGATTCTAGCCTTCCAGCTCTGTTATTTAAAGCAAGAAGCATTCTGGGCGCCGAAAACCACCTGAG
 AACCATCAACTATCAGCTGGGGAAGCTTCTCGAGCTGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_027973
Insert Size:	1233 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:	NM_027973.3 , NP_082249.1
RefSeq Size:	2467 bp
RefSeq ORF:	1233 bp
Locus ID:	71876
UniProt ID:	Q8C4M7
Cytogenetics:	8 B1.1
Gene Summary:	Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. Plays an important role in the correct PLK1 localization to the mitotic kinetochores. A scaffold protein responsible for the initial recruitment and maintenance of the kinetochore PLK1 population until its degradation. Involved in transcriptional repression (By similarity).[UniProtKB/Swiss-Prot Function]