

Product datasheet for RN205295

Cenpu (NM_001025673) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cenpu (NM_001025673) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cenpu
Synonyms:	Mlf1ip
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205295 representing NM_001025673 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCTCGGAGAAGTTTGAGATACTCGGGGACCCCGGTGCAAACGTTCAAGGAACACATTGGGAA
GCACAAATTCAGGAAACAGAAAGCTGGTCAGAAGCCCAAGCGCAAGGATGTGTTGACTTTCCTAATAC
ATCCGATGTCTCAAGCATGCTGAGAGAAGCTGAGGAAGAAGAACCTTACGAAACCTTCGACCCCTCTG
CACAGCACTGCTATCTACACAGATGATGAGCTCTACAAGCACTGTGTGCTCCACCTCCCAGCTACCC
ACAGAGGAAAGGAGAGCAGAACTTGAACCTTCTGAAAATGAAGCAAGTGGAAATGATTCGATAAAGCT
CAGTGCAAAAAAGCCAAGGAGAAAGCTGGAGCCCATCAGCGATGAGTCCGACAGCTCTGAAGACAACGTA
AGGAGATCGGTGTCTATAGAACGACCGAGGGCAGCAAGCCCGGCTGCTCCTGCAGCAGCGTCTCGT
CGTCGTCACCTCTGAGAGGCCAGCAGAACAGGTCACCTCCTCGGAAGACGAGCTTCCCTCAGCCCTCTGC
TGTGGAGGAGACTCCAGCAGCACAGAGTCAGCTGAAAACCTCAGAAGAAAGTCAGGCCATCTCCTGGCAGG
AGGAAGAGACCAAGGCGTGGATCCACACTCAGATGCTTCTGAAAGCATGCATATTTGTGCTGGAAG
GAAAGAGACAGAGTGACGTCATGGAGTTGGATGTTGTTTGTCTGCATTTGAGAGAACCTTCTGGACTA
TAAGCAAAGAGTTGAATCTGAAAGTTGTAATCAAGCCATCAGCAAATTTATTTTAAAATTAAGGAGAA
CTCATCAGAATGCTTAAAGAAGTCCAGATGCTAAAAGCCCTGAAAAGGAAGAACAATAAGATAATCTCCA
ACATGGAAAAGAAAAGACAGCGTTAATTGATGTCCAGGATGAACTGATTCGATTAGAACCACAACCTGAA
ACAACACTACAAACAAAATATGACGACCTTAAAGAAGAAAGTCAGCACTTAAAGAAATCCAAGCATTCTTA
TCTAATTTAAAACAGCTGTATCAAGATTATCCAATGTTTCGAGAAGAAGAACCAAGGAAAAGGAAAAAT
ATGATTCTAGCCTTCCAGCTCTGTTATTTAAAGCAAGAAGCATTCTGGGAGCTGAAAAACACCTGAA
AACCATCAATTATCATCTGGGGAAGCTCCTTAAGCAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001025673
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_001025673.1 , NP_001020844.1
RefSeq Size:	1633 bp
RefSeq ORF:	1233 bp
Locus ID:	306464
UniProt ID:	Q4V8G7
Cytogenetics:	16q11
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]