

## Product datasheet for MC224277

### Cenpj (NM\_001014996) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cenpj (NM_001014996) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cenpj
Synonyms:	4932437H03Rik; CPAP; Gm81; LAP; LIP1; Sas4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224277 representing NM_001014996 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGTTCTCTGATGCCAACCTCTTCAGAATTAACAGTGGGCAGAAATTCCTAACCCAGTGGATGACCAGTC  
CTTCTCGGGCTGGGGTCATACTAAATCGAGATTTCTATTTTGAAGCAGATGATAAGCAAGCAGCTAC  
AAATGTTTCTACGAGCTTCCCTGCTAAAGCCACCCATTTTCAAATAGCTTCAGTATTAGTAGTGAAGAG  
GATTCATTTTCATGAAGAACAGAAAGTTGGAGGCTGGAGGACCTATAAACCATGGTCAGAAAACCCGTAAG  
CTCCTCCGGTCTTTCTTCAGTTAGAAAGGAGCCAATTGCATCACGTCAGGATGCCCCGGGATGCCAGGA  
GGATAACAACAATGATCTTACGCCTCATCTCGAGAGTGAATTCAAAGAAGTGGCTAATAAAAAACCCACTT  
TTTAAAAAAGTGAACAGCTGAAAGAGATCCAGCAGAAGAAGCAGGAGCAGCTGAAGAGGCAGCAGCTGG  
AACAGCTGCAGAGGCTCATGGAGGAGCAAGAGAAGCTGCTCACCATGGTGTCTGCACAGCACGCGTTTCC  
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AGCTACTCAAATCCAACCCAAGAAAACCTCTGTGCTTCCAACGTTTTACCCGATGAACAGAGTAATTTCT  
GTAGAGCCACTCAAGATTCGGTATTAACCTTCAAAAAATGCTTCGGATTTGTTTTACGAGTCACAGTATCA  
AGAAGCACATGTGAAAAGAAATGATTTAAAGGAGGAAAGTCTGCCACCCTTCAGGGGAAGGTGCTTTG  
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CTTCAGAAGTGGTTAATATTGATGAAAGGCCCATCAAAGCTGCTGTTAGAGAGAAGCAGCAGACATTTGA  
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GGACCATTGCTAGCGAAAACGAAACCAAGCAACCATTTTAAAAACGAGGAGAAGGTTTAGCTAGGTTTA  
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GAAACGTGATGGACAGTTTAGACACCAGGTCAAAGGAGAACGAAATGCACATGCTAGTAATAAGGAAAAT  
GTGCTGCATGCATAAAGCCCTGGGATGCTGGTTGCAAGATGTGGAGTAAAGACACAGGGGAGAGAGAGAC



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TTCCTCTTCCACTGGACCAGTTGGCTGTGTGGTCTCTAGGAGCCCGATACGTGAGACAGACAGAGAAAAC  
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 TAAGAAAAAGTATTTGCCAGCACAAGGAAATCTATCTAGAAGAATCAAGTCTGCGCCTCCTCGTATTTA  
 GGCAGCTCCGATAAAGGACAAGCTGCCTTGCCAGAGAGCCTCTTCAACAAGTGAAGTCCAGACCTTG  
 AATATAAAAAACAAGAGGAAAAAGGAAAGAAATTCAGGGAGAAATCAGTCATCCTGATGAAAGGTAGA  
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 GGAAGAGCGTACCCTTACATTTTCAATGGTGTGATGTAAGCAGGTATGCCAGATGAGAGAGTGGTCT  
 ACTACTATGCTGCTGCCAGACCACACACCAGTACCCAGAAGGACTTGAAGTTTTACATTTCTCAAG  
 TGGACAAATAGAAAAGCATTCCAGATGGAAGAAAAGAAATCACATTTCTGACCAGACCATTAAAGACT  
 TTATTTGCTGATGGTCAAGAAGAGAGCATCTTTCCAGATGGCACAATTGTCCGAGTACAACGTGATGGCA  
 ACAAGATCATAGAATTAATAATGGCCAAAGGGAGCTCCATACTGCCAGTTCAAGAGACGAGAGTATCC  
 CGATGGGACTGTTAAGACTGTCTATGCAATGGTCAAGAGACAAAAGTACACATCTGGCCGAGTTAGA  
 GTGAAGGACAAAGACGGTAATGTGCTAATGGACACAGAAATGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_001014996

**Insert Size:**

4035 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:**

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\\_001014996.2](#), [NP\\_001014996.2](#)

**RefSeq Size:** 4385 bp

**RefSeq ORF:** 4035 bp

**Locus ID:** 219103

**UniProt ID:** [Q569L8](#)

**Cytogenetics:** 14 C3

**Gene Summary:** Plays an important role in cell division and centrosome function by participating in centriole duplication. Inhibits microtubule nucleation from the centrosome. Involved in the regulation of slow processive growth of centriolar microtubules. Acts as microtubule plus-end tracking protein that stabilizes centriolar microtubules and inhibits microtubule polymerization and extension from the distal ends of centrioles. Required for centriole elongation and for STIL-mediated centriole amplification. Required for the recruitment of CEP295 to the proximal end of new-born centrioles at the centriolar microtubule wall during early S phase in a PLK4-dependent manner. May be involved in the control of centriolar-microtubule growth by acting as a regulator of tubulin release (By similarity).[UniProtKB/Swiss-Prot Function]