

Product datasheet for **MC210203**

Cenpk (NM_021790) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cenpk (NM_021790) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cenpk
Synonyms: B130045K24Rik; BB232189; C530004N04Rik; Cenp-K; Solt; Solzt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210203 representing NM_021790
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTACCGTGTTCTGTCTATTTCCAACAACAAAGCTGCATCCTGTACCACTTCTCCGTTGGTAATTTACA
GTAGTTGCAGTAAGGTGAAGAAAATATAAAGGATATGTCAGAGAATAAACAAGAAGTACATCCAGATAC
TATTACAGATGTGGAAGCTGTTATAGATACAGAGGAAGAATTATTAAGAATGTGAAGAAATGTGGAAA
GACATGGAAGATTGTCAGAAATAAATTATCACTTATTGGAAGTACGACTCAGCAATGCAGATGCTCAGC
TCTCATTACTTATTATGCAAAATGAAATGTTTGACTGCTGAACTTGGTCAATGGAAGAAAAGAAAACCCGA
AATAATCCCCTAAATGAAGACGTTTTGTAAACATTAGGAAAAGAAGAGTTCCAAAAATTGAGATGTGAT
CTTGAAATGGTACTATCTACCAATCAATCAAGAATGAAAAGTTAAAAGAAGACTTAGAAAAGGGAGCAAC
AGTGGTTGGATGAACAGCAGCAAATACTGGACTCTTAAACGATTAACAGTGATGTGGAAAATCAGGT
GGTAACATTAAGTCAAGAACTCTTAAATGAAGTCAACTAAGATCCGTTGGGATAAAGGAATTCAAG
GAGAAGCTCTTGCTTACCTGGGTGCTTTTTAGACAATCATTTTCTCTGCCTGAAGCAAGTACTCCAA
AGAAAAGGAAAAACATTCAAGACTCGAATGCACAGCTGATAAAGTGAATGAAATATTAGAGATGCTTAT
AAATAGAATGTTTGATGTTCCACATGATCCATATGTTAAAATTCGTGATTCCCTTTGGCCACCATATATT
GAGCTACTTCTGCGTTACGGAATTGCTTTGAGACATCCAGAAGATCCATCCCAAATAAGGTTAGAAGCTT
TCCATCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021790
Insert Size: 921 bp



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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_021790.2 , NP_068562.1
RefSeq Size:	1222 bp
RefSeq ORF:	921 bp
Locus ID:	60411
UniProt ID:	Q9ESN5
Cytogenetics:	13 D1
Gene Summary:	<p>Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Acts in coordination with KNL1 to recruit the NDC80 complex to the outer kinetochore (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) uses alternate 5' exon structure, differs in the 5' UTR, and includes an alternate 3' terminal exon compared to variant 2. This transcript also initiates translation at an alternate start codon, resulting in isoform 1, which is longer and has distinct N- and C-termini compared to isoform 2.</p>