

Product datasheet for **MC221320**

Cenpi (NM_145924) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cenpi (NM_145924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cenpi
Synonyms:	CENP-I; Fshp; Fshprh1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221320 representing NM_145924
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACTCAAAGGGTTACTAGAACTCCAGCAACAAAACAGAATTTCTCAAGGCAGTAAATAGCCGTC
 AAACCAGTCTCTTAGACTGGATGGTAAAAGACAAATCAGGCAACTTCAAGAGTGTCTTGAAAGAAAAGCAG
 TTCAGTGGAAAGATTCTACACGCACTGATGATCGAACTGAAGGTGCTCTGCAGGTAGCAGTAGGATACTTC
 CAGAAAGGTCCTAAGAAAGCTTCACTAAGTAAAGATAAGGTCTTGAAAAACACTTGACAACCTGTTGAAA
 ATGTGGCTTTGAGCAATGGCTTAGCTCCAGAGGCAATTGATATTTTACTGAATGTGGCACTCAGTGGCAA
 GTTTGGGAATGCTGTAACCTCACGGATATTGAAGTGCATGATTCCAGAAAGTCACATATCAGAAGATTCC
 GTGCTTAAAGCAGTATCCTGGCTCTGTGTTGACAAGTGTCTGGTAATACCAAGTACTTTTTTATCGTT
 GGTGGTTGCGATGTTTGACTTTATTGATCATAAGAAGCAAATTAGTTCTCTGTATGGCTCTTTTTTGC
 TTCATTGCAAGATGATACTCTGTGCCCGTACGTTTGCATTTGTTATATTTACTGACCAAAAGGGAGAAT
 GTCAAACCATTTCTGTGTAGAAAATTGCTCGATCTCCAGGCCAAAATGGGAATGCAGCCCCACCTCCAGG
 CTTTGTGTGCGTGTATAAGTCTTCGCTCCTACTTTGATTTCTGTATCTTTGCCTGTAAGGAAGAAGAT
 CTTTTTCAATAATTCAAAAAATCTGTGGACTTCAGCTTCCCTTGCTGTGAGGCTAAGGAACCAGGGAGCT
 TTTCCAGAACCTCTAAACCTTCCATTACGCCCACTACGGGCCGTTCTCTAAAGAGGAAATGGAATTCTC
 ACTCAGTTATACCAGCACTAAATCTGTAAACAAAGAATATGGAGAGAAGACGGCGAGTCTGTTTGATTA
 TCTCAGCAGTGAAAGATCACTCCACTAGAACAGCTTCAACGTTCCCTCAGCTTTAGAGAGCATCCAT
 TGTTTAGAGCTCCCTTCTCAGATGTGCTCAGTCTAAACAGCCCTCTGCTACTTCACTATATTAATTGTG
 TCAAAGATGAGTCAATCTTACTGAGGATCTTATTGGTTGAGTCAAGCATTACAAGAAGAATGTGTGTG
 GTATAATATAAATAATTATGAACAAGAAAAGGAATTTATAAACTTCTGGACCTGGTCATCAGGGTACAG
 TGCTTCTTACAAGAGGGATTTTACTCCTGTGAGGCATTCTGTATAAAAGCCTGCCTCTCTGGGATGGCT
 CCTCTTGTGCGTCACAGTACCTCAGCTTCTGGCCTGGATTCCATTCAAGTAGCTTCTCTGAGGTGAAGCC
 ACTTCTTCTGATCATCTAGCACCTCTCTTCTTACATCAAGTATTTATTTCAAGTGTAGTGTCTTCAA
 AGTCTGCAAGAATTACTGCAGAATTGGCTGCTTTGGCTCTCTACGGATGCGCATGTGCAGCCACGACAG
 ACAGTCTCTGGAGACAACCTCTGGTGGATCCATGAGTCTGTGTCTCAATTGATTGAGTACACAGGCTG
 GCTGTGCGTGGTGAATGCGCTTGGAGAGCAGCAGTACATTGTTGTTGCACTTTATTTTGGACTCTAT
 GAGAAGGTGTGTGATATATATAAATTATGACCTTCCGATAGTGGTATTGTTTCTCCTGTGATCTTCC
 ATTCTGCACTCCTAAGCCTGGATGCCACCATCTTGAACCAACTCTGTACATTATGTACAGGTATCGCAA
 TAATTGGACAGCTGCGAAGAAAACCGCTATTTACAGAAGGCCAAACCAGAGTTCAGTCTCAGCAGCAAG
 ATCTGTAAGAGTATAAATACTATTTGACAGCTATGGTTTGTGTCTATGGACGTCACAGCCATTTAAAG
 CAGGAGTGTACTGACCCCGAAACCATAGAAAATACTGGAGGAACACAGTATAAAAGCACCTTAAATAT
 TGTCTACCATCTTCTACTGAGCTATGCAGCTTCTTCTTGTACAGGAGAGCCAGAAAGAAATGACA
 GAACACCTGAGCTCTATTCAGGGGAAGAAATGAACTGGTATTTGGACTATTTATATTTCAGAGGGTTTTC
 AGGGCTTAAAACTTTTTCATAAAAAGCAGTGTCCATAGTTCTGTACCCAAACCAGAGGAAAACACAGAGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_145924
Insert Size: 2241 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_145924.3 , NP_666036.1
RefSeq Size:	3692 bp
RefSeq ORF:	2241 bp
Locus ID:	102920
UniProt ID:	Q8K1K4
Cytogenetics:	X E3
Gene Summary:	<p>This gene encodes a protein that may be constitutively associated with centromeres and might be involved in recruiting centromere protein A to the centromere for kinetochore assembly. A similar gene in human is involved in the response of gonadal tissues to follicle-stimulating hormone. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>