

Product datasheet for SC119029

CENPC (NM_001812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENPC (NM_001812) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENPC
Synonyms:	CENP-C; CENPC1; hcp-4; MIF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119029 sequence for NM_001812 edited (data generated by NextGen Sequencing) <pre> ATGGCTGCGTCCGGTCTGGATCATCTCAAAAATGGCTACAGAAGAAGATTTTGTGCGACCT TCCAGGGCACGTGACATTAACACAGAGCAAGGCCAGAATGTTCTGGAAATCTTACAAGAC TGTTTTGAAGAAAAAGTCTTGCCAATGATTTTAGTACAAATTCTACAAAATCAGTGCCT AATTCAACACGCAAAATAAAGACACTTGATTAGTCACCAAGCAAAGAGTGCCAGAAA TCACATCCAAAGTCAGTTCAGTTTCTTCAAAGAAGAAAGACCTCTCTACAGTTTGT GTAGAACCAAGTGAAGCCACAAACAGATCAGTTCAGGCCCATGAAGTTCATCAGAAAAT CTGGCAACTGATGTTAGTTCCAAAAATACACCTGACTCGAAAAAATATCAAGTAGAAAC ATAAATGATCATCACAGTGAAGCTGATGAAGAATTTTACTTATCCGTTGGCTCACCTTCT GTTCTTTTGGATGCAAAAACATCTGTATCACAAAATGTTATTCCATCTAGTGCCCAAAAG AGAGAGACTTACACTTTTGAAAATTCAGTAAATATGCTGCCTTCAAGTACAGAGGTTTCA GTTAAACCAAAAAAGGTTAACTTTGATGATAAAGTTATGTTAAAGAAAATAGAAATA GATAATAAAGTATCAGATGAAGAGGATAAAACATCGGAAGGACAAGAAAACCATCA GGATCATCTCAGAATAGAATACGAGATTCAGAATATGAAATTCACGACAAGCTAAAAAA AGTTTTTCAACATTGTTTTTAGAAACAGTAAACGAAAAAGTGAATCCAGTCCCATTGTT AGGCATGCGGCAACTGCTCCACCTCATTGTCCTCCCGATGATACGAAGTTGATAGAG GATGAATTTATAATTGATGAGTCGGATCAAAGTTTGGCAGTAGATCTTGGATTACAATA CCAAGAAAGGCAGGGTCTCTGAAACAACGCACAATATCCCGGCTGAGAGCACTGCACTC CTTCAAGGTAGAAAGTCAAGAGAAAAGCATCATATATATTACCTAAGACTTTGGCAAT GACAAACATTCCCATAAACCTCACCCAGTAGAGACATCTCAGCCCTCTGATAAAACAGTA CTGGATACAAGTTATGCTTTGATAGGTGAAACAGTAAATAATTATAGATCTACAAAATAT GAAATGTATTCCAAGATGCAGAAAAACCATCTAGAAGCAAAAGGACTATAAAACAAAAA CAGAGAAGAAAATTCATGGCTAAACCAGCTGAAGAACAGCTTGATGTGGGACAGTCTAAA GATGAAAACATACATACATCATTATACCAAGACGAATTTCAAAGAAATTCAGACAGA AATATGGAAGAGCATGAAGAGATGGGAAATGATTGTGTTTCAAAAAACAGATGCCACCT GTGGGAAGCAAGAAAAGTAGCACTAGAAAAGATAAGGAAGAATCTAAAAAGAAGCGCTTT </pre>



[View online »](#)

```
TCCAGTGAGTCCAAGAACAACCTTGTACCTGAAGAAGTGACTTCAACTGTCACGAAAAGT
CGAAGAATTTCCAGGCGTCCATCTGATTGGTGGGTGTTAAATCAGAGGAGAGTCCTGTT
TATAGCAATTTCTCAGTAAGAAATGAATTACCAATGCATCACAATAGTAGCCGAAAATCT
ACTAAGAAAACAAATCAGTCATCTAAGAATATTAGGAAAAAACTATTCCACTTAAAGG
CAGAAGACAGCAACTAAAGGCAACCAAGAGTACAGAAGTTTTTAAATGCTGAAGTTCT
GGAGGTATCGTTGGTCATGATGAAATTTCCAGATGTTGCTGAGTGAGCCATTGGAAGT
GATGAGGCAGACTTGGCTAAGAAGAAAAATCTTGATTGTTCTAGATCTACAAGAAGCTCA
AAGAATGAAGATAACATTATGACTGCACAGAATGTTCCCTAAAGCCTCAGACCAGTGGA
TATACATGTAATATACCAACAGAGTCAAACCTTGGATTCTGGAGAGCATAAGACTTCAGTT
TTAGAGGAAAAGTGGACCTTCCAGGCTCAATAATAATTATTTAATGTCTGGAAAGAATGAT
GTGGATGATGAGGAAGTTCATGGAAGTTCAGATGACTCAAAACAATCTAAAGTGATACCA
AAGAACAGAATCCATCACAACCTAGTATTGCCCTCCAACACACCAAAATGTTGCGAGGACC
AAGAGAACACGTTTGAACCTTTGGAGTACTGGCGAGGAGAGCGAATAGATTATCAAGGA
AGGCCATCAGGAGGATTCGTGATTAGTGGAGTACTATCTCCAGACACAATATCGTCTAAA
AGGAAGGCAAAAGAAAATATTGGAAGTCAACAAAAATCTAATAAGAAAAGGATCTGT
CTTGATAACGATGAAAGAAAGACTAACTTAATGGTAAATCTAGGTATACCTCTTGAGAT
CCTTTGCAGCCAACGAGGGTAAAGGACCCAGAAACAAGAGAGATTATTCTCATGGATCTT
GTAAGGCCACAAGATACATATCAATTTTTTGTAAAGCATGGTGAGTTGAAGGTATACAAG
ACATTGGATACACCTTTTTTTCTACTGGGAAATTGATATTAGGACCACAAGAAGAAAAG
GGAAAGCAGCATGTTGGCCAGGATATATTGGTTTTTATGTTAACTTTGGTGACCTTTTG
TGACTTTACATGAAACACCTTATATTAAGTACTGGGATTCGTTCTATGTTCTTCA
GGTAACTATTATAACATCAAAAATCTCCGAATGAGGAAAGTGTCTTCTTTTACTCAG
ATAAAAAGATGA
```

Clone variation with respect to NM_001812.2

**5' Read Nucleotide
Sequence:**

```
>OriGene 5' read for NM_001812 unedited
GGTTCAAATTTTGTAAATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGATTGC
TTGGCCGCGGCCTGGTATTCCGGCGATTGTTTTCTTGTCTGGCTTCCTGGAGCTGTGGTC
CGTGTGGGCTTCCACCTCAGACAGTTGCGCTGGCTCAGCGGGGCCGGAACATGGCTGCGT
CCGGTCTGGATCATCTCAAAAATGGCTACAGAAGAAGATTTTGTGACCTTCCAGGGCAC
GTGACATTAACACAGAGCAAGGCCAGAATGTTCTGGAAATCTTACAAGACTGTTTTGAAG
AAAAAAGTCTTGCCAATGATTTTGTACAAATTCTACAAAATCAGTGCCTAATTCAACAC
GCAAAATAAAAGACACTTGATTTCAGTCACCAAGCAAAGAGTGCCAGAAATCACATCCAA
AGTCAGTTCCAGTTTCTTCAAAGAAGAAAGAGCCTCTCTACAGTTTGTGTAGAACCAA
GTGAAGCCACAACAGATCAGTTCAGGCCCATGAAGTTCATCAGAAAATCTGGCAACTG
ATGTTAGTTCCAAAATACACCTGACTCGAAAAAATATCAAGTAGAAACATAAATGATC
ATCACAGTGAAGCTGATGAAGAATTTTACTTATCCGTTGGCTCACCTTCTGTTCTTTTG
ATGCAAAAACATCTGTATCACAATGTTATTCCATCTAGTGCCAAAAGAGAGAGACTT
ACACTTTTGAAAATTCAGTAAATATGCTGCCTTCAAGTACAGAGGTTTCAGTTAAACCA
AAAAAAGTTAACTTTGATGATAAAGTTATGTTAAAGAAAATAGAAATAGATNATAAG
TATCAGATGAAGAGGATNANNACATCGNAGGACCCAGAAGANACCATCANGATCATCTCA
GAATAGAATACGAGATTCAGAATATGANATTNCA
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001812 unedited <pre> TTTAGAGTCGAGTTTTTTTTTTTTTTTTTAACTGAATAAAATTTTATTTTAAACAT CACAAGTAATTACAAAGACAAATATTCCAATATACAACTGTTTTTCACATATACATAT ATACATACATATATTTAAGGTTGGTTGATCTGTCATCTTTTATCTGAGTAAAAAGAAGA ACACTTTCCTCATTCCGGAGATTTTGTGTTATAATAGTTACCTGAAGGAACATAGAAC GAATCCCCAGTACTTAATATATAAGGTGTTTCATGTAAAGTACACAAAAGGTCACCAAAG TTAACATAAAAAACCAATATATCCTGGCCAACATGCTGCTTCCCTTTTCTTCTTGTTGGT CCTAATATCAATTTCCAGTAGAAAAAAGGGTGTATCCAATGTCTTGATACCTTCAAC TCACCATGCTTAACAAAAATTGATATGTATCTTGTTGGCCTTACAAGATCCATGAGAATA ATCTCTCTGTTTCTGGGTCCTTACCCTCGTTGGCTGCAAAGGATCTCCAAGAGGTATA CCTAGACTTACCATTAAGTTAGTCTTTTCTCTCATCGTTATCAAGACAGATCCCTTCCTT ATAGCATTTTTGTTGACTTTTCAATATCTTCTTTTGCCTTCCTTAGACGTATTGCGTCT GGAGATAGACTCACTAACACGAACCTCCTGATGCCCTTCTTGATAACCATTGCTCTCCT CGCAGACTCCCAAGGTTTAAACGTGTTTCTTGGCCTGCGACCTTGGNGGGTTGACGGCAT ACCATGTTGGATGGATCTTGTTTGGGATCCCTTAAAAGTTTGGGTATTTGAATCCTGAC TTTTCTTTTCCATATTTTCCAACTAAAATATTATGGCCGGAAGGCCCTTCTTAAAC GAATTTATTCCCAACACGTGACCGTTGGTATAACGGTATCCCCTGGGGTTAGGAACT TTGGGCCCAAGGTTCTTTTGTACTCTGGACACAAN </pre>
Restriction Sites:	ECORI-NOT
ACCN:	NM_001812
Insert Size:	3090 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:	<u>NM_001812.2, NP_001803.2</u>
RefSeq Size:	3349 bp
RefSeq ORF:	2832 bp
Locus ID:	1060
UniProt ID:	<u>Q03188</u>
Cytogenetics:	4q13.2

Gene Summary:

Centromere protein C 1 is a centromere autoantigen and a component of the inner kinetochore plate. The protein is required for maintaining proper kinetochore size and a timely transition to anaphase. A putative pseudogene exists on chromosome 12. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.