

Product datasheet for SC316725

CENPN (NM_001100624) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CENPN (NM_001100624) Human Untagged Clone
Tag: Tag Free
Symbol: CENPN
Synonyms: BM039; C16orf60; CENP-N; ICEN32
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC316725 representing NM_001100624.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGATGAGACTGTTGCTGAGTTCATCAAGAGGACCATCTTGAAAATCCCCATGAATGAAGTACAACA
ATCCTGAAGGCCTGGGATTTTTGTCTGAAAATCAACTGCAGACTGTAAATTTCCGACAGAGAAAGGAA
TCTGTAGTTCAGCACTTGATCCATCTGTGTGAGGAAAAGCGTGCAAGTATCAGTGATGCTGCCCTGTTA
GACATCATTTATGCAATTTTCATCAGCACCAGAAAGTTGGGAAGTTTTTCAGATGAGTAAAGGACCA
GGTGAAGATGTTGACCTTTTTGATATGAAACAATTTAAAAATTCGTTCAAGAAAATCTTCAGAGAGCA
TTAAAAAATGTGACAGTCAGCTTCAGAGAACTGAGGAGAATGCAGTCTGGATTGCAATTGCCTGGGGA
ACACAGTACACAAAGCCAAACCAGTACAAACCTACCTACGTGGTGTACTACTCCCAGACTCCGTACGCC
TTACAGTCCTCCTCCATGCTGAGGCGCAATACACCGCTTCTGGGTGAGGCGCTGACAATTGCTAGCAAA
CACCATCAGATTGTGAAAATGGACCTGAGAAGTCGGTATCTGGACTCTCTTAAGGCTATTGTTTTAAA
CAGTATAATCAGACCTTTGAAACTCACAACCTCTACGACACCTCTACAGGAAAGAAGCCTTGGACTAGAT
ATAAATATGGATTCAAGGATCATTATGAAAACATAGTAGAAAAGAGAGAGTCCAACGAATAACTCAA
GAAACATTTGGAGATTATCCTCAACCACAACCTAGAATTTGCACAATATAAGCTTGAACGAAATTTAAA
AGTGGTTTTAAATGGGAGCATCTGGCTGAGAGGGAAGAACCCTCCGATGCCTAATAAAGTTCTCTAGC
CCACATCTTCTGGAAGCATTGAAATCCTTAGCACCAGCGGATTTGCAGATGCTCCACTTCTCCACTG
CTCACTTGCATACCCAACAAGAGAATGAATTATTTTAAAATTAGAGATAAA TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
Plasmid Map: □
ACCN: NM_001100624



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Insert Size:	1020 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001100624.2
RefSeq Size:	4663 bp
RefSeq ORF:	1020 bp
Locus ID:	55839
UniProt ID:	Q96H22
Cytogenetics:	16q23.2
Protein Families:	Druggable Genome
MW:	39.6 kDa
Gene Summary:	<p>The protein encoded by this gene forms part of the nucleosome-associated complex and is important for kinetochore assembly. It is bound to kinetochores during S phase and G2 and recruits other proteins to the centromere. Pseudogenes of this gene are located on chromosome 2. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate 3' terminal exon compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>