

Product datasheet for SC322212

CENPA (NM_001042426) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CENPA (NM_001042426) Human Untagged Clone
Tag: Tag Free
Symbol: CENPA
Synonyms: CenH3; CENP-A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322212
 AGCACC GGCTCATGTGAGGCTCGCGGCACAGCGTTCTCTGGGCTCCCCAGAAGCCAGCCT
 TTCGCTCCCGACCCGGCAGCCCGAGCAGGAGCCGTGGGACCGGGCGCCAGCACCCTCTG
 CGGCGTGTGATGGCCCCGCGCCGCGGAGCCGAAAGCCGAGGCCCGAGGAGGCGCAGC
 CCGAGCCCGACCCGACCCCGGCCCTCCCGGCGGGGCCCTCCTTAGGCGCTTCTCC
 CATCAACACAGTCGGCGGAGACAAGGTTGGCTAAAGGAGATCCGAAAGCTTCAGAAGAGC
 ACACACCTCTTGATAAGGAAGCTGCCCTTCAGCCGCCTGGCAGCAGAAGCATTCTAGTT
 CATCTCTTTGAGGACGCCTATCTCCTCACCTTACATGCAGGCCGAGTTACTCTTCCCA
 AAGGATGTGCAACTGGCCCGGAGGATCCGGGGCCTTGAGGAGGGACTCGGCTGAGCTCCT
 GCACCCAGTGTTCTGTGAGTCTTCTGCTCAGCCAGGGGGATGATACCGGGGACTCT
 CCAGAGCCATGACTAGATCCAATGGATTCTGCGATGCTGTCTGGACTTTGCTGTCTCTGA
 ACAGTATGTGTGTGTGCTTTAAATATTTTCTTTTTTTGAGAAGGAGAAGACTGCATG
 ACTTTCCTCTGTAACAGAGGTAATATATGAGACAATCAACACCGTTCCAAAGGCCTGAAA
 ATAATTTTCAGATAAAGAGACTCCAAGGTTGACTTTAGTTTGTGAGTTACTCATGTGACT
 ATTTGAGGATTTTGAAAACATCAGATTTGCTGTGGTATGGGAGAAAAGGTTATGTACTTA
 TTATTTTAGCTCTTTCTGTAATATTTACATTTTTTACCATATGTACATTTGTACTTTTAT
 TTTACACATAAGGGAAAAAATAAGACCACTTTGAGCAGTTGCCTGGAAGGCTGGGCATTT
 CCATCATATAGACCTCTGCCCTTCAGAGTAGCCTCACCATTAGTGGCAGCATCATGTAAC
 TGAGTGGACTGTGCTTGTCAACGGATGTGAGCTTTTCAGAACTTAATTGGGGATGAAT
 AGAAAACCTGTAAGCTTTGATGTTCTGGTACTTCTAGTAAATTCCTGTCAAATCAATT
 CAGAAATTTCTAACTTGGAGAATTTAACATTTTACTCTTGTAAATCATAGAAGATGTATCA
 TAACAGTTCAGAAATTTAAAGTACATTTTCGATGCTTTTATGGGTATTTTGTAGTTTCT
 TTGTAGAGAGATAATAAAAATCAAAATATTTAATGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001042426



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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).
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_001042426.1 , NP_001035891.1
RefSeq Size:	1352 bp
RefSeq ORF:	345 bp
Locus ID:	1058
UniProt ID:	P49450
Cytogenetics:	2p23.3
Gene Summary:	<p>Centromeres are the differentiated chromosomal domains that specify the mitotic behavior of chromosomes. This gene encodes a centromere protein which contains a histone H3 related histone fold domain that is required for targeting to the centromere. Centromere protein A is proposed to be a component of a modified nucleosome or nucleosome-like structure in which it replaces 1 or both copies of conventional histone H3 in the (H3-H4)₂ tetrameric core of the nucleosome particle. The protein is a replication-independent histone that is a member of the histone H3 family. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The resulting protein (isoform b) is shorter than isoform a.</p>