OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC225676

Cenpa (NM_001302131) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cenpa (NM_001302131) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cenpa
Synonyms:	Cen; Cenp-A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225676 representing NM_001302131 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGACGGCTCTCAGACACTGCGCAGAAGACAGAAATTCATGTGGCTTAAGGAAATCAAGACCCTGCAGA AGAGCACAGACCTCTTGTTCAGGAAGAAGCCTTTCAGCATGGTTGTTAGAGAAATATGTGAGAAGTTCAG CCGTGGTGTGGATTTTTGGTGGCAAGCCCAGGCCTTGTTGGCCCTTCAGGAGGCAGCAGAAGCTTTCCTC ATCCACCTCTTTGAGGACGCCTACCTCCTCTCCTTACATGCTGGTCGGGTCACGCTTTTCCCCAAAGACA TTCAGTTGACCAGGAGAATCCGAGGCTTCGAGGGCGGACTCCCCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001302131
Insert Size:	327 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001302131.1, NP_001289060.1
RefSeq Size:	1555 bp
RefSeq ORF:	327 bp
Locus ID:	12615
UniProt ID:	O35216
Cytogenetics:	5 16.76 cM
Gene Summary:	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] Transcript Variant: This variant (4) contains two alternate exons in the 5' coding region and uses a downstream start codon compared to variant 1. The resulting isoform (2) has a distinct shorter N-terminus, compared to isoform 1. Variants 2, 3 and 4 encode the same isoform (2).