

Product datasheet for **SC122235**

CENPA (BC002703) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENPA (BC002703) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENPA
Synonyms:	CENP-A; centromere protein A; centromere protein A, 17kDa; OTTHUMP00000122589
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC002703 edited GGCAGCCCGAGCAGGAGCCGTGGGACCGGGCGCCGGCACCCTCTGCGGCGTGCATGGGC CCGCGCCCGCGGAGCCGAAAGCCCGAGGCCCGAGGAGGCGCAGCCCGAGCCCGACCCCG ACCCCGGCCCTCCCGCGGGGCCCTCCTTAGGCGCTTCTCCATCAACACAGTCGG CGGAGACAAGGTTGGCTAAAGGAGATCCGAAAGCTTCAAGAGCACACACCTCTTGATA AGGAAGCTGCCCTCAGCCGCCTGGCAAGAGAAAATATGTGTTAAATTCACCTCGTGGTGTG GACTTCAATTGGCAAGCCAGGCCCTATTGGCCCTACAAGAGGCAGCAGAAGCATTCTA GTTTCATCTCTTTGAGGACGCCTATCTCCTCACCTTACATGCAGGCCGAGTTACTCTCTTC CCAAAGGATGTGCAACTGGCCCGGAGGATCCGGGGCCTTGAGGAGGGACTCGGCTGAGCT CCTGCACCCAGTGTTCGTGTCAGTCTTCTGCTCAGCCAGGGGGATGATACCGGGGAC TCTCCAGAGCCATGACTAGATCCAATGGATTCTGCGATGCTGTCTGGACTTTGCTGTCTC TGAACAGCTGGAGTGCAGCAGCAGATCTCGGCTCACTGCAACCTCCAACCTCCCAAGTTC AAGCGATTCTCCTGCCTCAGCCTCTCGGACCCTGTCTCTATTTTTTTTTAAATAAAGAAA TAAAAATTCTGTGTAACCTCATAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC002703 unedited CAAAATTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGGCAGCCCGAGC AGGAGCCGTGGGACCGGGCGCCGGCACCCTCTGCGGCGTGTATGGGCCCGCCGCCGG AGCCGAAAGCCCGAGGCCCGAGGAGGCGCAGCCCGACCCCGACCCCGGCCCC TCCCGCGGGGCCCTCCTTAGGCGCTTCTCCATCAACACAGTCGGCGGAGACAAGGT TGGCTAAAGGAGATCCGAAAGCTTCAGAAGAGCACACACCTTTGATAAGGAAGTGCC TTCAGCCGCTGGCAAGAGAAATATGTGTTAAATCACTCGTGGTGGACTTCAATTGG CAAGCCCAGGCCCTATTGGCCCTACAAGAGGCAGCAGAAGCATTCTAGTTCATCTCTT GAGGACGCTATCTCTCACCTTACATGCAGGCCGAGTTACTCTTCCCAAAGGATGTG CAACTGGCCCGGAGGATCCGGGGCCTTGAGGAGGGACTCGGCTGAGCTCCTGCACCCAGT GTTTCTGTGAGTCTTCTGCTCAGCCAGGGGGATGATACCGGGGACTCTCCAGAGCCA TGACTAGATCCAATGGATTCTGCGATGCTGTCTGGACTTTGCTGTCTGAAACAGCTGGA GTGCAGCAGCAGATCTCGGCTCACTGCAACCTCCAACCTCCAAGTTCAAGCGATTCTCC TGCCCTCAGCCTCTCGGACCCTGTCTATTTTTTTTTTAAATAAAGAAATAAAAAATCTGT GTAACCTCATAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGNT TCCTTGACAGATCCCGGNTGGCATCCCTGTGACCCTNCCAGTGCTCTCTGGCCTTGG NAAGTGCACCTCAGTGCCACCAGCCTGTCTATAAAAATAGTGACATTTGCTGCTAGTGT CTCTTAATAGGAGGGGGG
Restriction Sites:	Please inquire
ACCN:	BC002703
Insert Size:	768 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:	<u>BC002703.2</u> , <u>AAH02703.1</u>
RefSeq Size:	759 bp
Locus ID:	1058
Cytogenetics:	2p23.3

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]