

Product datasheet for **SC105953**

CDC23 (BC010944) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC23 (BC010944) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC23
Synonyms:	anaphase-promoting complex subunit 8; APC8; cell division cycle 23 homolog (<i>S. cerevisiae</i>); cell division cycle protein 23
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC010944, the custom clone sequence may differ by one or more nucleotides

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ATGGTCCCAGTGGCTGTGACGGCGGCAGTGGCGCCTGTCCCTGTCCATAAACAGCGATTTCTCAGATTTGC
GGGAAATTA AAAAGCAACTGCTGCTTATTGCGGGCCTTACCCGGGAGCGGGGCCTACTACACAGTAGCAA
ATGGTCGGCGGAGTTGGCTTTCTCTCCCTGCATTGCCTCTGGCCGAGCTGCAACCGCCTCCGCTATT
ACAGAGGAAGATGCCAGGATATGGATGCCTATACCCTGGCCAAGGCCTACTTTGACGTTAAAGAGTATG
ATCGGGCAGCACATTTCTGCATGGCTGCAATAGCAAGAAAGCCTATTTTCTGTATATGTATTCCAGATA
TCTGGTGAGGGCCATTTTAAAATGTCATTCTGCCTTTAGTGAAACATCCATATTTAGAACCAATGGAAAA
GTAAATCTTTAAATAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC010944 unedited NGGGTCACATTGATACACTATTAGGGGCCGGATTGCGCCGAGGGAAAAATGGCTGCGAGTAC CTCCATGGTCCCAGGTGGCTGTGACGGCGGCAGTGGCGCCTGTCCTGTCCATAAACAGCGA TTTCTCAGATTTGCGGGAAATTAAGCAACTGCTGCTTATTGCGGGCCTTACCCGGGA GCGGGGCTACTACAGTAGCAAATGGTCGGCGGAGTTGGCTTCTCTCCTGCATT GCCTCTGGCCGAGCTGCAACCGCCTCCGCCTATTACAGAGGAAGATGCCCAGGATATGGA TGCCTATACCTTGCCCAAGGCCTACTTTGACGTTAAAGAGTATGATCGGGCAGCACATTT CCTGCATGGCTGCAATAGCAAGAAAGCCTATTTTCTGTATATGTATTCCAGATATCTGTC TGGAGAAAAAAGAAGGACGATGAAACAGTTGATAGCTTAGGCCCCCTGGAAAAAGGACA AGTAAAAATGAGGCGCTTAGAGAATTGAGAGTGGAGCTCAGCAAAAAACACCAAGCTCG AGAACTTGATGGATTTGGACTTTATCTGTATGGTGTGGTCTCGAAAACTGGACTTGGT TAAAGAGGCCATTGATGTGTTTGTGGAAGCTACTCATGTTTTGCCCTGCATTGNGGAGC CTGGTTAGAACTGTAACTGATCACAGACAAAGAGATGCTGAAGTTCCTGTCTTTGCC AGACACCTGGATGAAAGAAGTTTTCTGGCTCATATACACAGATTGCAGTTGATAGA GGAGGCCCTGCAAGTATCAGAACTCATTGATGTGGGCTTCTCTAGAGCTCGTATATTG TTTCCAAATTGCAGTTGCCTATCACATATCAGAGATATTGACCAAGCCCTCTCCATTTT TATGAN
Restriction Sites:	NotI-NotI
ACCN:	BC010944
Insert Size:	3500 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:	BC010944.1 , AAH10944.1
RefSeq Size:	1088 bp
RefSeq ORF:	438 bp
Locus ID:	8697
Cytogenetics:	5q31.2
Domains:	APC8
Protein Families:	Druggable Genome

Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
Gene Summary:	<p>The protein encoded by this gene shares strong similarity with <i>Saccharomyces cerevisiae</i> Cdc23, a protein essential for cell cycle progression through the G2/M transition. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eukaryotic cells. APC catalyzes the formation of cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction. [provided by RefSeq, Jul 2008]</p>