

Product datasheet for **SC123723**

CEP290 (BC008641) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP290 (BC008641) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP290
Synonyms:	3H11Ag; BBS14; centrosomal protein 290kDa; CTCL tumor antigen se2-2; FLJ13615; FLJ21979; JBTS5; JBTS6; KIAA0373; LCA10; MKS4; monoclonal antibody 3H11 antigen; nephrocytsin-6; NPHP6; prostate cancer antigen T21; rd16; SLSN6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC008641 edited CAGATGGATTCGGATGAAATGAAAAAATACTTGCAGAAAATAGTAGGAAAATTACTGTT TTGCAAGTGAATGAAAAATCACTTATAAGGCAATATACAACCTTAGTAGAATTGGAGCGA CAACTTAGAAAAGAAAATGAGAAGCAAAAGAATGAATTGTTGTCAATGGAGGCTGAAGTT TGTGAAAAAATTGGGTGTTTGC AAAGATTTAAGGAAATGGCCATTTTCAAGATTGCAGCT CTCCAAAAAGTTGTAGATAATAGTGTTCCTTTGTCTGAACTAGAACTGGCTAATAAACAG TACAATGAACTGACTGCTAAGTACAGGGACATCTTGCAAAAAGATAATAGCTTGTCAA AGAACAAGTAAGTGGAAACACCTGGAGTGTGAAAACATCTCCTTAAAAGAACAAGTGGAG TCTATAAATAAAGAACTGGAGATTACCAAGGAAAACTTCACACTATTGAACAAGCCTGG GAACAGGAAACTAAATTAGGTAATGAATCTAGCATGGATAAGGCAAGAAATCAATAACC AACAGTGACATTGTTCCATTTCAAAAAAATAACTATGCTGGAAATGAAGGAATTAAT GAAAGGCAGCGGGCTGAACATTGTCAAAAAATGTATGAACACTTACGGACTTCGTTAAAG CAAATGGAGGAACGTAATTTTGAATTGGAAACAAATTTGCTGAGGTTTGATATTATAAG TTTTATCATAAATTATAGAATAAAGAATTAGTTTTGGTAGACATTGTATTATTGTTAAG TGGTTTGTCTGGATCTCTGAAATATCTTATTAATATAGTGCCTATGTTTTGTGTAATAAA TAAATAAAAAGATTTAAATCTGAATTGTTTAAAAGGAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC008641 unedited NNGGTCGGAATTTGTATACGACTCATATAGGGCGGCCGATTCCCGGGATATCGTCGAC CCACGCGTCCGCAGATGGATTCCGGATGAAATGAAAAAATACTTGCAGAAAATAGTAGGA AAATTACTGTTTTGCAAGTGAATGAAAAATCACTTATAAGGCAATATACAACCTTAGTAG AATTGGAGCGACAACCTAGAAAAGAAAAATGAGAAGCAAAAGAATGAATTGTTGTCAATGG AGGCTGAAGTTTGTGAAAAAATTGGGTGTTTGCAAAGATTTAAGGAAATGGCCATTTTCA AGATTGCAGCTCTCCAAAAAGTTGTAGATAATAGTGTTCCTTTGTCTGAAGTGAAGTGG CTAATAAACAGTACAATGAACTGACTGCTAAGTACAGGGACATCTTGCAAAAAGATAATA TGCTTGTTCAAAGAACAAGTAACTTGGAAACACCTGGAGTGTGAAAACATCTCCTTAAAAG AACAAAGTGGAGTCTATAAATAAAGAAGTGGAGATTACCAAGGAAAAAATCACAACATTG AACAAAGCTGGGAACAGGAACTAAATTAGGTAATGAATCTAGCATGGATAAGGCAAAAGA AATCAATAACCAACAGTACATTGTTTCCATTTCAAAAAAATAACTATGCTGGAATGA AGGAATTAATGAAAGGCAGCGGCTGAACATTGTCAAAAAATGTATGAACACTTACGGA CTTCGTTAAAGCAAATGGAGAACGTAATTTGAATTGAAACCAAAATTTGCTGAGGTTT GATATTATAAGTTTTATCATACAATTATAGAATAAAGAATTAGTTTTGGTAGACATTGTA TTATTGNTAAAGTGGNTTTTGTCTGGATCTCTGAAATATCTTATTAATATAGTGCCTAT GTTTTGTGTTATAAATAAATAAAGATTTAATCTGAA
Restriction Sites:	Please inquire
ACCN:	BC008641
Insert Size:	910 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>BC008641.1</u> , <u>AAH08641.1</u>
RefSeq Size:	910 bp
Locus ID:	80184
Cytogenetics:	12q21.32

Gene Summary:

This gene encodes a protein with 13 putative coiled-coil domains, a region with homology to SMC chromosome segregation ATPases, six KID motifs, three tropomyosin homology domains and an ATP/GTP binding site motif A. The protein is localized to the centrosome and cilia and has sites for N-glycosylation, tyrosine sulfation, phosphorylation, N-myristoylation, and amidation. Mutations in this gene have been associated with Joubert syndrome and nephronophthisis and the presence of antibodies against this protein is associated with several forms of cancer. [provided by RefSeq, Jul 2008]