

Product datasheet for **SC202023**

CEP290 (NM_025114) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CEP290 (NM_025114) Human 3' UTR Clone
Symbol:	CEP290
Synonyms:	3H11Ag; BBS14; CT87; JBTS5; LCA10; MKS4; NPHP6; POC3; rd16; SLSN6
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_025114
Insert Size:	198 bp
Insert Sequence:	>SC202023 3'UTR clone of NM_025114 The sequence shown below is from the reference sequence of NM_025114. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC GAAAGTCTGTAAATTTCCCATTTACT AA AGGTCACCTATAAACTTTGTTTCATTTAACTATTTATTA ACTTTATAAGTTAAATATACTTGGAAATAAGCAGTTCTCCGAAGTGTAGTATTTCTTCTCACTACCTT GTACCTTTATACTTAGATTGGAATTCCTAATAAAATAAAATATATGAAATTTCAACTTA ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_025114.4</u>



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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]

Locus ID:

80184

MW:

7.9