

## Product datasheet for SC308782

### CEP290 (NM\_025114) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEP290 (NM_025114) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP290
Synonyms:	3H11Ag; BBS14; CT87; JBTS5; LCA10; MKS4; NPHP6; POC3; rd16; SLSN6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308782 representing NM_025114. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_025114
- Insert Size:** 7440 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_025114.3</a>
<b>RefSeq Size:</b>	7972 bp
<b>RefSeq ORF:</b>	7440 bp
<b>Locus ID:</b>	80184
<b>UniProt ID:</b>	<a href="#">O15078</a>
<b>Cytogenetics:</b>	12q21.32
<b>MW:</b>	290.4 kDa
<b>Gene Summary:</b>	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]