

## Product datasheet for **SC306210**

### CCDC46 (CEP112) (NM\_145036) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC46 (CEP112) (NM_145036) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC46
Synonyms:	CCDC46; MACOCO
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_145036, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGTGGGAAGTGAAGAAGAAAAATGGGAGAAGCTGGATGCAGAATTTGATCACTTT
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GCCTGGTACTGGTGAGCTGGAGACAAGTGAACACAAATTAATGAATCATGGAAACTC
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CAAGAACTTGAAGACACCATTTCTCCCTAAAATCACAGGTTAATTTTCTGCAAAAAGAGA
GCTTCCATCCTTCAGGAAGAAGTACTACATATCAAGGCAGAAGGTAA

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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_145036
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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_145036.2</a> , <a href="#">NP_659473.2</a>
<b>RefSeq Size:</b>	3511 bp
<b>RefSeq ORF:</b>	2868 bp
<b>Locus ID:</b>	201134
<b>Cytogenetics:</b>	17q24.1
<b>Gene Summary:</b>	<p>This gene encodes a coiled-coil domain containing protein that belongs to the cell division control protein 42 effector protein family. In neurons, it localizes to the cytoplasm of dendrites and is also enriched in the nucleus where it interacts with the RNA polymerase III transcriptional repressor Maf1 to regulate gamma-aminobutyric acid A receptor surface expression. In addition, the protein has been identified as a component of the human centrosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 3 both encode the same isoform (a).</p>