

Product datasheet for **SC112173**

CEP97 (NM_024548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP97 (NM_024548) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP97
Synonyms:	2810403B08Rik; LRR1Q2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024548, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGTGGCGCGCTGGACGCGGCTTTGCCTCCCGGAGAAGGATCAGTGGTCAATTGGTCAGGACAGG
GACTACAGAAATTAGGTCCAAATTTACCCTGTGAAGCTGATATTCACACTTTGATTCTGGATAAAAAATCA
GATTATTAATTGGAAAATCTGGAGAAATGCAAACGATTAATACAGTTATCAGTAGCTAATAATCGGCTG
GTTTCGGATGATGGGTGTGGCCAAGCTGACGTTGCTTCGTGTATTAATTTGCCTCATAATAGCATTGGCT
GTGTGGAAGGGCTAAAGGAACTAGTACATCTGGAATGGCTGAATTTGGCAGGAAATAATCTTAAGGCCAT
GGAACAGATCAATAGCTGCACAGCTCTACAGCATCTCGATTTATCAGACAATAATATATCCAGATAGGT
GATCTATCTAAATTGGTATCCCTGAAAACCTGCTTTTACATGGAACATCATCACCTCTCTTAGAATGG
CACCTGCTTACCTACCCAGAAGTCTTGCTATACTTTCTTGGCAGAAAATGAAATCCGAGACTTAAATGA
GATCTCTTTTTTGGCATCCTTAAGTGAATTGGAACAGTTGTCGATTATGAACAATCCTTGTGTGATGGCA
ACACCATCCATCCAGGATTTGACTATCGGCCGTACATCGTCAGCTGGTGCCTAAACCTCAGAGTCTAG
ATGGATATGTGATTTCTCAGAAGGAAAGTTTGAAGCTGAATGGCTCTATAGTCAAGGCAAGGGGAGAGC
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GGTCTTCAAACCTGCAGAGGATGCCAAACTAGAGAAGATTTTGAAGCAACAGAGGTTTACCAGAGGCAGT
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TGAGCATTCAAGCCCTGTTCAAGATTGCCAGATATCCAGGAAAGTGAACCCGTCATTCAAGTGAATTCT
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TGC GTTACGAAATCCGGCTACGAGAATGCAAGAGCACATTGTCTGCTTAAGTGAATGAAGGAGATT
ACGAAAAGAAAGAGATGAAGAACGTATTAATAATTTGTACAAGAAGAAGCTTTCAGATTCTTTGGAAC
CAGGTAAGGTCTCTACAGGTTTGGCAACAGACAGTGGACCAGCGCTAAGTTCTTGGCATACTGATGTTT
CTCCTATATCAAGTACTCTGTGCCATCGAAACATCCATTATTTACCCAAAGCCAGGAGTCTCTTGTGA
TCAAAATGCTGATTGGTTTATTGCTTCTGATGTAGCTCCTCAAGAGAAATCATTACCAGAATTTCCAGAC
TCTGGTTTTTATCCTCTCTAACAGAACAGTTTCAATTCATTGCAGCATTCTTTGGATTTTGAAGAAAGTT
CCACAGAAGGCAGTGAAAGCTCCATAATGGGGAATTCATTGACACAGTCAGATATGGCAAGAAATCAGA
TTTAGGGGATGTTAGTGAAGAACATGGTGAATGGAATAAGGAAAGCTCAAATAACGAGCAGGACAATAGT
CTGCTTGAACAGTATTTAACTTCAGTTCAACAGCTGGAAGATGCTGATGAGAGGACCAATTTTGATACAG
AGACAAGAGATAGCAAACTTCACATTGCTTGTTCCTCAGTACAGTTAGATACATTGTCTGACGGTGCTTC
TGTAGATGAGAGTCATGGCATATCTCTCTTTGCAAGGTGAAATTAGCCAGACACAAGAGAATTCTAAA
TTAAATGCAGAAGTTCAAGGCGAGCAGCCAGAATGTGATTCTACATTTAGCTATTGCATGTTGGTGTTA
CTGTGTAG
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024548 unedited NNGGGTCAAATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCAGACA GTGGACCAGCGTCTAAGTTCCTGGCATACTGATGTTCTCCTATATCAAGTACTCTTG CCATCGAAACATCCATTATTTACCCAAAGCCAGGAGTCTCTTGATCAAAATGCTGAT TGGTTTATTGCTTCTGATGTAGCTCCTCAAGAGAAATCATTACCAGAATTTCCAGACTCT GGTTTTTCATTCTCTCTAACAGAACAGTTCATTTCATTGCAGCATTCTTTGGATTTTGAG AAAAGTTCCACAGAAGGCAGTGAAAGCTCCATAATGGGGAATTCATTGACACAGTCAGA TATGGCAAAGAATCAGATTTAGGGGATGTTAGTGAAGAATCATGGTGAATGGAATAAGGAA AGCTCANATAACGAGCAGGACAATAGTCTGCTTGAACAGTATTTAACTTCAGTTCAACAG CTGGAAGATGCTGATGAGAGGACCAATTTTGATACAGAGACAAGAGATAGCANACTTCAC ATTGCTTGNTTCCAGTACAGNTAGATACATTGTCTGACGGTGCTTCTGTAGATGAGAGT CATGGCATATCTNCTCTTTGCAAGGTGAAATTAGCCCGACACAAGAGAATTTCTAAAT AATGCCGAAGTTCAAAGGCAGCANGCAGAATGTGATTCTACATTTTCAGCTATTGCATAGT TGGTGTTACTGGGTANCATGGCCTTTTGGGAAGCAGATATCCACTTTAACTTTTCCTTAA AATACCTTTCAANTGCCTTTGCTTTTTTTTTTGGGAAGGAAATACTCCCTACCCCTAAAT TNGNTACTACTAAATAAGAATNTGGAATTCATGGCTTAAATTTTCAAGAACTAGATATT GGAGCTGAGTTCCATTGGAGATTGGTAGCCTTTTACTTAGCGGGAAGGCCCAACTATTA TATGN
Restriction Sites:	NotI-NotI
ACCN:	NM_024548
Insert Size:	5000 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:	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>NM_024548.1, NP_078824.1</u>
RefSeq Size:	4439 bp
RefSeq ORF:	399 bp
Locus ID:	79598
UniProt ID:	<u>Q8IW35</u>
Cytogenetics:	3q12.3

Gene Summary:

Acts as a key negative regulator of ciliogenesis in collaboration with CCP110 by capping the mother centriole thereby preventing cilia formation. Required for recruitment of CCP110 to the centrosome.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.