

Product datasheet for **RC239601**

CEP97 (NM_001303401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP97 (NM_001303401) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CEP97
Synonyms:	2810403B08Rik; LRRIQ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239601 representing NM_001303401
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC239601 representing NM_001303401
 Red=Cloning site Green=Tags(s)

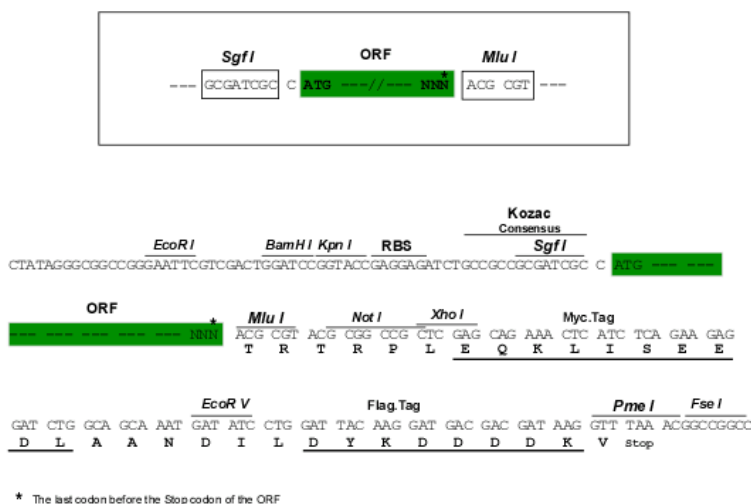
MAVARVDAALPPGEGSVVNWSGQLQKLGNLPCEADIHTLILDKNQIIKLENLEKCKRLIQLSVANNRL
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 GLLPCPEPTIISAILKDDNHSLTFFPESTEQKQSDIKKPENTQPENKETISQATSEKLPMLTQRSVALG
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 KESSNNEQDNLLEQYLTSVQQLADERTNFDTESTRDSKLHIACFPVQLDTLSDGASVDESHGISPPLQ
 GEISQTQENSKLNAEVQGGQPECDSTFQLLHVGVTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM 001303401

ORF Size: 2418 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001303401.2](#)

RefSeq Size: 7516 bp

RefSeq ORF: 2421 bp

Locus ID: 79598

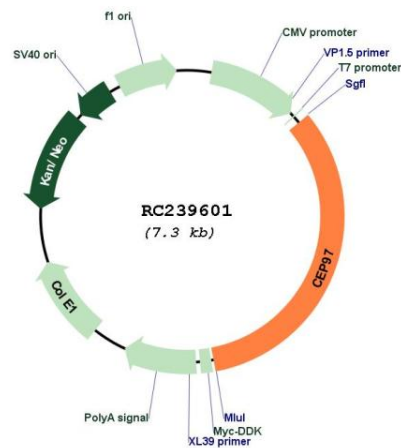
UniProt ID: [Q8IW35](#)

Cytogenetics: 3q12.3

MW: 90.8 kDa

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]

Product images:



Circular map for RC239601