

# Product datasheet for RC214712L3

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## CDC40 (NM\_015891) Human Tagged Lenti ORF Clone

## **Product data:**

**Product Type: Expression Plasmids** 

**Product Name:** CDC40 (NM 015891) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: CDC40

Synonyms: EHB3; PCH15; PRP17; PRPF17

**Mammalian Cell** Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** 

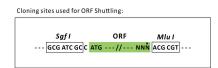
Sequence:

The ORF insert of this clone is exactly the same as(RC214712).

**Restriction Sites:** 

Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_015891

**ORF Size:** 1737 bp





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**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.

**RefSeq:** <u>NM 015891.2</u>

 RefSeq Size:
 3866 bp

 RefSeq ORF:
 1740 bp

 Locus ID:
 51362

 UniProt ID:
 060508

 Cytogenetics:
 6q21

Domains: WD40

Protein Pathways: Spliceosome

**MW:** 65.5 kDa

Gene Summary: Pre-mRNA splicing occurs in two sequential transesterification steps. The protein encoded by

this gene is found to be essential for the catalytic step II in pre-mRNA splicing process. It is found in the spliceosome, and contains seven WD repeats, which function in protein-protein interactions. This protein has a sequence similarity to yeast Prp17 protein, which functions in two different cellular processes: pre-mRNA splicing and cell cycle progression. It suggests that

this protein may play a role in cell cycle progression. [provided by RefSeq, Jul 2008]