

Product datasheet for **RC231456L3V**

CP110 (CCP110) (NM_001199022) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CP110 (CCP110) (NM_001199022) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CP110
Synonyms:	Cep110; CP110
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001199022
ORF Size:	3036 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC231456).
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.
RefSeq:	NM_001199022.1 , NP_001185951.1
RefSeq ORF:	3039 bp
Locus ID:	9738
UniProt ID:	O43303
Cytogenetics:	16p12.3
MW:	113.9 kDa


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Gene Summary:

Necessary for centrosome duplication at different stages of procentriole formation. Acts as a key negative regulator of ciliogenesis in collaboration with CEP97 by capping the mother centriole thereby preventing cilia formation (PubMed:17719545 PubMed:17681131, PubMed:23486064). Also involved in promoting ciliogenesis. May play a role in the assembly of the mother centriole subdistal appendages (SDA) thereby effecting the fusion of recycling endosomes to basal bodies during cilia formation (By similarity). Required for correct spindle formation and has a role in regulating cytokinesis and genome stability via cooperation with CALM1 and CETN2 (PubMed:16760425).[UniProtKB/Swiss-Prot Function]