

## Product datasheet for **RC221521L4V**

### **CNNM2 (NM\_017649) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	CNNM2 (NM_017649) Human Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	CNNM2
<b>Synonyms:</b>	ACDP2; HOMG6; HOMGSMR
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-mGFP-P2A-Puro (PS100093)
<b>Tag:</b>	mGFP
<b>ACCN:</b>	NM_017649
<b>ORF Size:</b>	2625 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(RC221521).
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_017649.3</a>
<b>RefSeq Size:</b>	4071 bp
<b>RefSeq ORF:</b>	2628 bp
<b>Locus ID:</b>	54805
<b>UniProt ID:</b>	<a href="#">Q9H8M5</a>
<b>Cytogenetics:</b>	10q24.32
<b>Domains:</b>	CBS, DUF21
<b>Protein Families:</b>	Transmembrane



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**MW:** 96.4 kDa

**Gene Summary:** This gene encodes a member of the ancient conserved domain containing protein family. Members of this protein family contain a cyclin box motif and have structural similarity to the cyclins. The encoded protein may play an important role in magnesium homeostasis by mediating the epithelial transport and renal reabsorption of Mg<sup>2+</sup>. Mutations in this gene are associated with renal hypomagnesemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]