

## Product datasheet for **MR227372L4V**

### **Cdh1 (NM\_009864) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Cdh1 (NM_009864) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cdh1
Synonyms:	AA960649; ARC-1; E-ca; E-cad; E-cadh; Eca; Ecad; L-C; L-CAM; Um; UVO
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009864
ORF Size:	2652 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227372).
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. <a href="#">More info</a>
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:	<a href="#">NM_009864.2</a> , <a href="#">NP_033994.1</a>
RefSeq Size:	4413 bp
RefSeq ORF:	2655 bp
Locus ID:	12550
UniProt ID:	<a href="#">P09803</a>
Cytogenetics:	8 53.18 cM



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**Gene Summary:**

This gene encodes E-cadherin, a calcium-dependent cell adhesion molecule that functions in the establishment and maintenance of epithelial cell morphology during embryogenesis and adulthood. The encoded preproprotein undergoes proteolytic processing to generate a mature protein. Targeted mutations disrupting binding of calcium to the encoded protein in mice cause death in utero due to failed blastocyst and trophoderm formation. This gene is located adjacent to a related cadherin gene on chromosome 8. [provided by RefSeq, Oct 2015]