

## Product datasheet for **KN211298**

### LI Cadherin (CDH17) Human Gene Knockout Kit (CRISPR)

#### Product data:

**Product Type:** Knockout Kits (CRISPR)  
**Format:** 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control  
**Donor DNA:** GFP-puro  
**Symbol:** LI Cadherin  
**Locus ID:** 1015  
**Components:** **KN211298G1**, LI Cadherin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTGTCTTCTTATGCTTTATT  
**KN211298G2**, LI Cadherin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTTTATTTGGTAAGAGAAG  
**KN211298D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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**GE100003**, scramble sequence in pCas-Guide vector

**Disclaimer:**

These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

**RefSeq:**

[NM\\_001144663](#), [NM\\_004063](#)

**UniProt ID:**

[Q12864](#)

**Synonyms:**

CDH16; HPT-1; HPT1

**Summary:**

This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts, acting as an intestinal proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization of liver and intestine. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]

Product images:

