

### Product datasheet for KN211298BN

#### OriGene Technologies, Inc.

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

#### **Product data:**

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo Symbol: LI Cadherin

**Locus ID:** 1015

**Components: KN211298G1**, LI Cadherin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN211298G2**, LI Cadherin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN211298BND**, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

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: <u>NM 001144663</u>, <u>NM 004063</u>

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

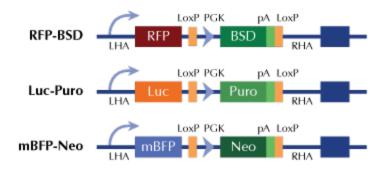
splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]





# **Product images:**

### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter