

Product datasheet for KN211298LP

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 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

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)

KN211298LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

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,

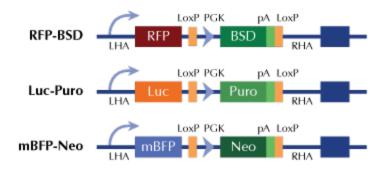
membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts, acting 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