

## Product datasheet for **RG226588**

### LI Cadherin (CDH17) (NM\_001144663) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LI Cadherin (CDH17) (NM_001144663) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDH17
Synonyms:	CDH16; HPT-1; HPT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



```

                                     Kozac
                                     Consensus
          EcoR I      BamH I Kpn I      RBS      Sgf I      Asc I
CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCGCCAGATCT

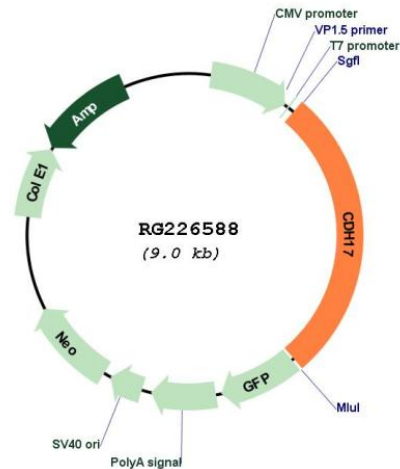
          Hind III      Nhe I Rsr II      Mlu I      Not I      Xho I      GFP Tag
CAAGCTTAACTAGCTAGCGGACCG  ACG CGT  ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---
          T R T R P L E M E S D - - -

          Pme I      Fse I
--- --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT
- - - E E R V stop

```



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**Plasmid Map:**


**ACCN:** NM\_001144663

**ORF Size:** 2496 bp

**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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001144663.1](#), [NP\\_001138135.1](#)

RefSeq Size: 3699 bp

RefSeq ORF: 2499 bp

Locus ID: 1015

UniProt ID: [Q12864](#)

Cytogenetics: 8q22.1

Protein Families: Transmembrane

**Gene 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]