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# Product datasheet for KN207346LP

## P cadherin (CDH3) 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:** | P cadherin |
| **Locus ID:** | 1001 |
| **Components:** | **KN207346G1**, P cadherin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br>**KN207346G2**, P cadherin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br>**KN207346LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.<br>**GE100003**, scramble sequence in pCas-Guide vector |
| **RefSeq:** | NM_001317195, NM_001317196, NM_001793 |
| **UniProt ID:** | P22223 |
| **Synonyms:** | CDHP; HJMD; PCAD |
| **Summary:** | This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS). [provided by RefSeq, Nov 2015] |

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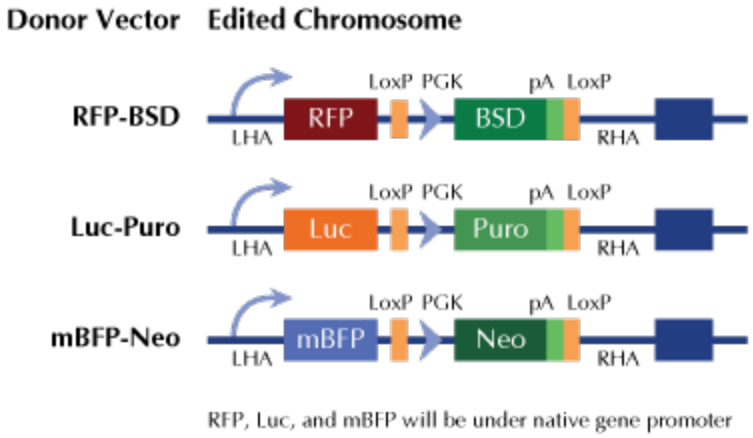
## Product images:




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