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# Product datasheet for KN224464LP

## delta 2 Catenin (CTNND2) 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:** | delta 2 Catenin |
| **Locus ID:** | 1501 |
| **Components:** | **KN224464G1**, delta 2 Catenin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br>**KN224464G2**, delta 2 Catenin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br>**KN224464LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.<br>**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_001288715, NM_001288716, NM_001288717, NM_001332, NR_109988, NM_001364128 |
| **UniProt ID:** | Q9UQB3 |
| **Synonyms:** | GT24; NPRAP |
| **Summary:** | This gene encodes an adhesive junction associated protein of the armadillo/beta-catenin superfamily and is implicated in brain and eye development and cancer formation. The protein encoded by this gene promotes the disruption of E-cadherin based adherens junction to favor cell spreading upon stimulation by hepatocyte growth factor. This gene is overexpressed in prostate adenocarcinomas and is associated with decreased expression of tumor suppressor E-cadherin in this tissue. This gene resides in a region of the short arm of chromosome 5 that is deleted in Cri du Chat syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013] |

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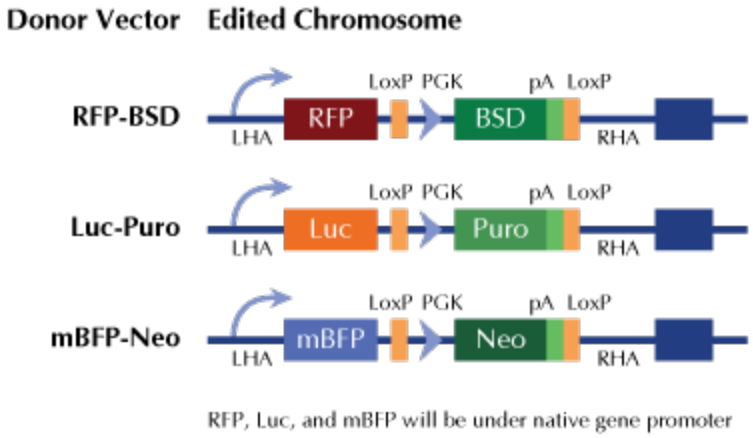
## Product images:




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