

Product datasheet for **KN224464**

delta 2 Catenin (CTNND2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	delta 2 Catenin
Locus ID:	1501
Components:	<p>KN224464G1, delta 2 Catenin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCACCCAAAGGCGCGGCC</p> <p>KN224464G2, delta 2 Catenin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCCTCCTCTTGCCGCTGGT</p> <p>KN224464D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 CTCCGTTCC CAACGATC

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]

Product images:

