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Product datasheet for KN217455

CARD14 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: CARD14

Locus ID: 79092

Components: **KN217455G1**, CARD14 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCGTACGATCCTGTGGCGG
KN217455G2, CARD14 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGCACTCACGGCACTGGACG
KN217455D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
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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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_001257970, NM_024110, NM_052819, NR_047566, NM_001366385

UniProt ID: Q9BXL6

Synonyms: BIMP2; CARMA2; PRP; PSORS2; PSS1

Summary: This gene encodes a caspase recruitment domain-containing protein that is a member of the membrane-associated guanylate kinase (MAGUK) family of proteins. Members of this protein family are scaffold proteins that are involved in a diverse array of cellular processes including cellular adhesion, signal transduction and cell polarity control. This protein has been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]

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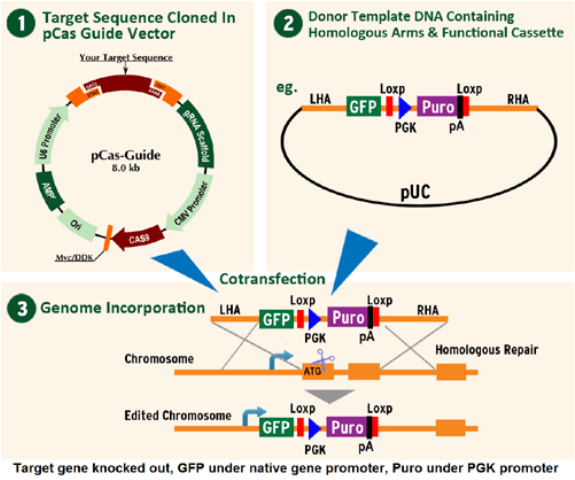

Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter

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