

Product datasheet for **KN205327**

DGKZ 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: DGKZ
Locus ID: 8525
Components: **KN205327G1**, DGKZ gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGCCGAGGAGGAGGTGGTG
KN205327G2, DGKZ gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCAGCGCTGGGACTGGGC
KN205327D, 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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 AACACTGCGG CCAACTTACT TCTGACAACG ATCGGAGGAC CGAAGGAGCT AACCGCTTTT TTGCACAACA
 TGGGGGATCA TGTAACCTCG CTT

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_001105540](#), [NM_001199266](#), [NM_001199267](#), [NM_001199268](#), [NM_003646](#), [NM_201532](#), [NM_201533](#)

UniProt ID:

[Q13574](#)

Synonyms:

DAGK5; DAGK6; DGK-ZETA; hDGKzeta

Summary:

The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2010]

Product images:

