

## Product datasheet for KN219451BN

# **DGCR8 Human Gene Knockout Kit (CRISPR)**

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

**Donor DNA:** mBFP-Neo Symbol: DGCR8

Locus ID: 54487

KN219451G1, DGCR8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN219451G2, DGCR8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN219451BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

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 001190326, NM 022720

**UniProt ID:** Q8WYQ5

Synonyms: C22orf12; DGCRK6; Gy1; pasha

Summary: This gene encodes a subunit of the microprocessor complex which mediates the biogenesis

of microRNAs from the primary microRNA transcript. The encoded protein is a double-

stranded RNA binding protein that functions as the non-catalytic subunit of the

microprocessor complex. This protein is required for binding the double-stranded RNA

substrate and facilitates cleavage of the RNA by the ribonuclease III protein, Drosha. Alternate

splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]



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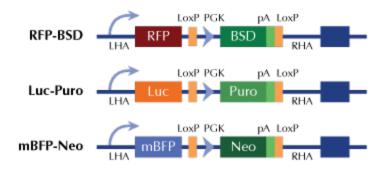
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# **Product images:**

### Donor Vector Edited Chromosome



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