

### **Product datasheet for KN215289BN**

### FIGURE GALASHEEL TOT KINZ 13209DIN

# MERTK 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: MERTK

**Locus ID:** 10461

**Components: KN215289G1**, MERTK gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN215289G2**, MERTK gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN215289BND, 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:** <u>NM 006343</u>

UniProt ID: 012866

**Synonyms:** c-mer; MER; RP38

**Summary:** This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a

transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type

(immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). [provided by RefSeq, Jul 2008]



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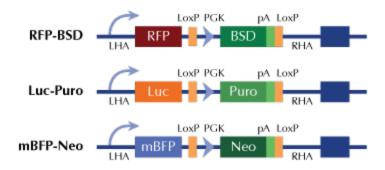
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## **Product images:**

#### Donor Vector Edited Chromosome



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