

## Product datasheet for KN215289RB

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

**Product data:** 

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

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

**Donor DNA: MERTK** Symbol: Locus ID: 10461

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

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

KN215289RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 006343

**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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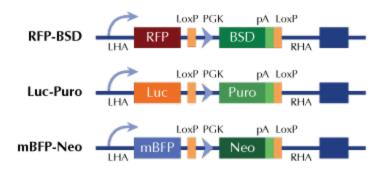
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# **Product images:**

### Donor Vector Edited Chromosome



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