

## Product datasheet for KN209732RB

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

### ethanolamine kinase (ETNK1) 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: RFP-BSD

**Symbol:** ethanolamine kinase

**Locus ID:** 55500

**Components: KN209732G1**, ethanolamine kinase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN209732G2**, ethanolamine kinase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209732RBD, 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 001039481, NM 018638

UniProt ID: Q9HBU6

Synonyms: EKI; EKI 1; EKI1; Nbla10396

**Summary:** This gene encodes an ethanolamine kinase, which functions in the first committed step of the

phosphatidylethanolamine synthesis pathway. This cytosolic enzyme is specific for

ethanolamine and exhibits negligible kinase activity on choline. Alternative splicing results in

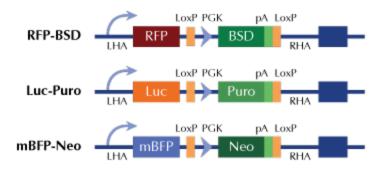
multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]





# **Product images:**

#### Donor Vector Edited Chromosome



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