

# Product datasheet for KN223614BN

## **TEP1 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

TEP1 Symbol: 7011 Locus ID:

**KN223614G1**, TEP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

**KN223614G2**, TEP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN223614BND, 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 001319035, NM 007110

**UniProt ID:** Q99973

Synonyms: p240; TLP1; TP1; TROVE1; VAULT2

Summary: This gene product is a component of the ribonucleoprotein complex responsible for

telomerase activity which catalyzes the addition of new telomeres on the chromosome ends.

The telomerase-associated proteins are conserved from ciliates to humans. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]



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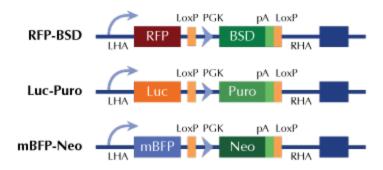
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# **Product images:**

### Donor Vector Edited Chromosome



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