

## Product datasheet for KN318125RB

# Traf3ip2 Mouse 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: Traf3ip2 Locus ID: 103213

KN318125G1, Traf3ip2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN318125G2, Traf3ip2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN318125RBD, 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 134000 **UniProt ID:** Q8N7N6

Synonyms: Act1; Al429613; CIKS

Summary: E3 ubiquitin ligase that catalyzes 'Lys63'-linked polyubiquitination of target protein,

> enhancing protein-protein interaction and cell signaling (By similarity). Transfers ubiquitin from E2 ubiquitin-conjugating enzyme UBE2V1-UBE2N to substrate protein (By similarity). Essential adapter molecule in IL17A-mediated signaling (PubMed:19825828). Upon IL17A stimulation, interacts with IL17RA and IL17RC receptor chains through SEFIR domains and catalyzes 'Lys63'-linked polyubiquitination of TRAF6, leading to TRAF6-mediated activation of NF-kappa-B and MAPkinase pathways (PubMed:19825828).[UniProtKB/Swiss-Prot Function]



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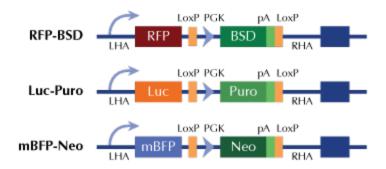
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# **Product images:**

### Donor Vector Edited Chromosome



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