

Product datasheet for **KN318125**

Traf3ip2 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: Traf3ip2
Locus ID: 103213
Components: **KN318125G1**, Traf3ip2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTCAGCAATTGACTCGGGAA
KN318125G2, Traf3ip2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAACCTCCACGGGAATGCTT
KN318125D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGCAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCGGCG
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TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA
TTCAGCTCCG GTTCCCAACG ATC

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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; AI429613; 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]

Product images:

