

## Product datasheet for **KN318324LP**

### Tsc22d3 Mouse Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Tsc22d3
Locus ID:	14605
Components:	<b>KN318324G1</b> , Tsc22d3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN318324G2</b> , Tsc22d3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN318324LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_001077364</a> , <a href="#">NM_010286</a> , <a href="#">NR_122039</a>
UniProt ID:	<a href="#">Q9Z2S7</a>
Synonyms:	DIP; Dsip1; Gilz; Tilz3; TSC-22R
Summary:	Protects T-cells from IL2 deprivation-induced apoptosis through the inhibition of FOXO3A transcriptional activity that leads to the down-regulation of the pro-apoptotic factor BCL2L11. In macrophages, plays a role in the anti-inflammatory and immunosuppressive effects of glucocorticoids and IL10. In T-cells, inhibits anti-CD3-induced NFKB1 nuclear translocation. In vitro, suppresses AP1 and NFKB1 DNA-binding activities (By similarity). Isoform 1 and isoform 4 inhibit myogenic differentiation and mediate anti-myogenic effects of glucocorticoids by binding and regulating MYOD1 and HDAC1 transcriptional activity resulting in reduced expression of MYOG.[UniProtKB/Swiss-Prot Function]



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## Product images:

