

## Product datasheet for **KN318295**

### Trpc6 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:	Trpc6
Locus ID:	22068
Components:	<b>KN318295G1</b> , Trpc6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTCCTGGCTCTCGTTGCGC <b>KN318295G2</b> , Trpc6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCCCGAGGTTCGTGACCCGG <b>KN318295D</b> , donor DNA containing left and right homologous arms and GFP-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_001282086</a> , <a href="#">NM_001282087</a> , <a href="#">NM_013838</a>
UniProt ID:	<a href="#">Q61143</a>
Synonyms:	AV025995; LLHWJM002; LLHWJM003; LLHWJM004; mtrp6; TRP-6; Trrp6
Summary:	Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C. Seems not to be activated by intracellular calcium store depletion.[UniProtKB/Swiss-Prot Function]



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Product images:

