

## Product datasheet for **KN224744RB**

### TIMM50 Human 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:	TIMM50
Locus ID:	92609
Components:	<b>KN224744G1</b> , TIMM50 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN224744G2</b> , TIMM50 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN224744RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD 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_001001563</a> , <a href="#">NM_001329559</a>
UniProt ID:	<a href="#">Q3ZCQ8</a>
Synonyms:	TIM50; TIM50L
Summary:	This gene encodes a subunit of the TIM23 inner mitochondrial membrane translocase complex. The encoded protein functions as the receptor subunit that recognizes the mitochondrial targeting signal, or presequence, on protein cargo that is destined for the mitochondrial inner membrane and matrix. This protein may also play a role in maintaining the membrane permeability barrier, and knockdown of this gene in human cells results in the release of cytochrome c and apoptosis. [provided by RefSeq, Jul 2016]



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**Product images:**
