

## Product datasheet for **KN211461RB**

### Tuberin (TSC2) 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:	Tuberin
Locus ID:	7249
Components:	<b>KN211461G1</b> , Tuberin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN211461G2</b> , Tuberin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN211461RBD</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_000548</a> , <a href="#">NM_001077183</a> , <a href="#">NM_001114382</a> , <a href="#">NM_001318827</a> , <a href="#">NM_001318829</a> , <a href="#">NM_001318831</a> , <a href="#">NM_001318832</a> , <a href="#">NM_021055</a> , <a href="#">NM_021056</a> , <a href="#">NM_001363528</a> , <a href="#">NM_001370405</a> , <a href="#">NM_001370404</a>
UniProt ID:	<a href="#">P49815</a>
Synonyms:	LAM; PPP1R160; TSC4
Summary:	Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]



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## Product images:

