

Product datasheet for KN211461BN

Tuberin (TSC2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR) Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control Donor DNA: mBFP-Neo Symbol: Tuberin 7249 Locus ID: **KN211461G1**, Tuberin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components: KN211461G2**, Tuberin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN211461BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. 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 000548, NM 001077183, NM 001114382, NM 001318827, NM 001318829, NM 001318831, NM 001318832, NM 021055, NM 021056, NM 001363528, NM 001370405, NM 001370404 **UniProt ID:** P49815 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]

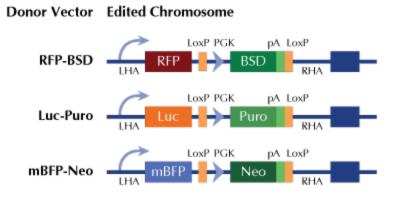


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Product images:



RFP, Luc, and mBFP will be under native gene promoter

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