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Product datasheet for KN222452RB

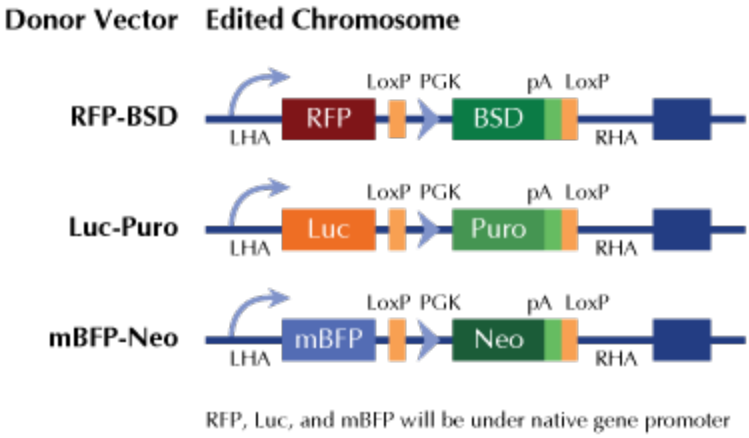
TBLR1 (TBL1XR1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	TBLR1
Locus ID:	79718
Components:	**KN222452G1**, TBLR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN222452G2**, TBLR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN222452RBD**, donor DNA containing left and right homologous arms and RFP-BSD 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_001321193, NM_001321194, NM_001321195, NM_024665
UniProt ID:	Q9BZK7
Synonyms:	C21; DC42; IRA1; MRD41; TBLR1
Summary:	This gene is a member of the WD40 repeat-containing gene family and shares sequence similarity with transducin (beta)-like 1X-linked (TBL1X). The protein encoded by this gene is thought to be a component of both nuclear receptor corepressor (N-CoR) and histone deacetylase 3 (HDAC 3) complexes, and is required for transcriptional activation by a variety of transcription factors. Mutations in these gene have been associated with some autism spectrum disorders, and one finding suggests that haploinsufficiency of this gene may be a cause of intellectual disability with dysmorphism. Mutations in this gene as well as recurrent translocations involving this gene have also been observed in some tumors. [provided by RefSeq, Mar 2016]

View online »

Product images:



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