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Product datasheet for KN203610RB

TENT2 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:	TENT2
Locus ID:	167153
Components:	**KN203610G1**, TENT2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN203610G2**, TENT2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN203610RBD**, 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_001114393, NM_001114394, NM_001297744, NM_001297745, NM_173797, NM_001349548, NM_001349549, NM_001349550, NM_001349551, NM_001349552, NM_001349553, NM_001349554
UniProt ID:	Q6PIY7
Synonyms:	GLD2; TUT2
Summary:	Cytoplasmic poly(A) RNA polymerase that adds successive AMP monomers to the 3'-end of specific RNAs, forming a poly(A) tail. In contrast to the canonical nuclear poly(A) RNA polymerase, it only adds poly(A) to selected cytoplasmic mRNAs (PubMed:15070731). Does not play a role in replication-dependent histone mRNA degradation (PubMed:18172165). Adds a single nucleotide to the 3' end of specific miRNAs, monoadenylation stabilizes and prolongs the activity of some but not all miRNAs (PubMed:23200856).[UniProtKB/Swiss-Prot Function]

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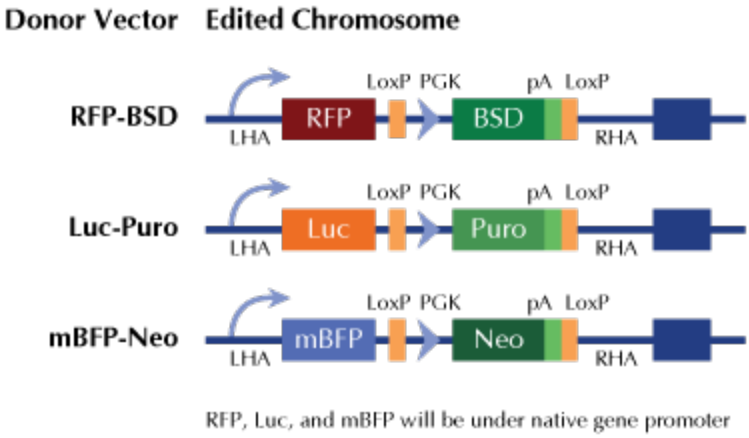
Product images:



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