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Product datasheet for KN205948BN

TRIM37 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:	TRIM37
Locus ID:	4591
Components:	**KN205948G1**, TRIM37 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN205948G2**, TRIM37 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN205948BND**, 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_001005207, NM_015294, NM_001320987, NM_001320988, NM_001320989, NM_001320990, NM_001353082, NM_001353083, NM_001353084, NM_001353085, NM_001353086, NR_148346, NR_148347
UniProt ID:	O94972
Synonyms:	MUL; POB1; TEF3
Summary:	This gene encodes a member of the tripartite motif (TRIM) family, whose members are involved in diverse cellular functions such as developmental patterning and oncogenesis. The TRIM motif includes zinc-binding domains, a RING finger region, a B-box motif and a coiled-coil domain. The RING finger and B-box domains chelate zinc and might be involved in protein-protein and/or protein-nucleic acid interactions. Mutations in this gene are associated with mulibrey (muscle-liver-brain-eye) nanism, an autosomal recessive disorder that involves several tissues of mesodermal origin. TRIM37 localizes in peroxisomal membranes, and has been implicated in human peroxisomal biogenesis disorders. [provided by RefSeq, Jul 2020]

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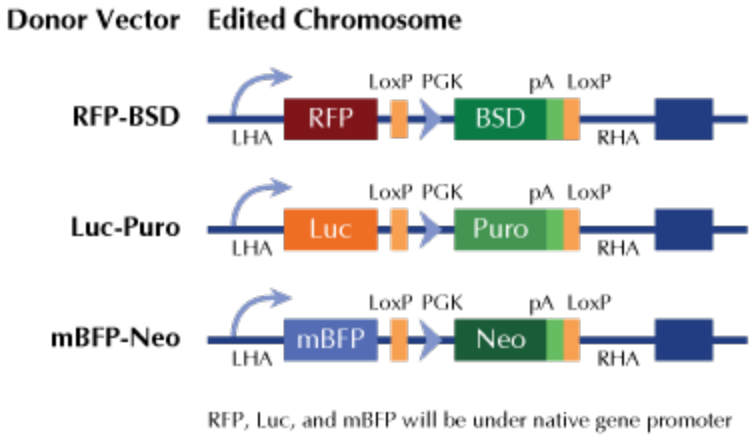
Product images:



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