

Product datasheet for KN205948LP

OriGene Technologies, Inc.

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TRIM37 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

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)

KN205948LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: 094972

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

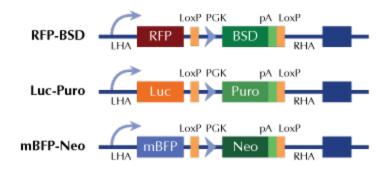
several tissues of mesodermal origin. TRIM37 localizes in peroxisomal membranes, and has been implicated in human peroxisomal biogenesis disorders. [provided by RefSeq, Jul 2020]





Product images:

Donor Vector Edited Chromosome



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