

Product datasheet for KN213699LP

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US

OriGene Technologies, Inc.

Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

MTTP 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

MTTP Symbol: Locus ID: 4547

KN213699G1, MTTP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN213699G2, MTTP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN213699LPD, 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 000253, NM 001300785

UniProt ID: P55157 Synonyms: ABL; MTP

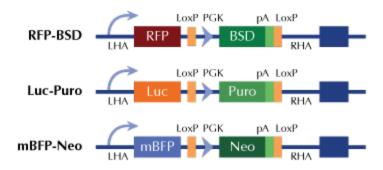
Summary: MTP encodes the large subunit of the heterodimeric microsomal triglyceride transfer protein.

> Protein disulfide isomerase (PDI) completes the heterodimeric microsomal triglyceride transfer protein, which has been shown to play a central role in lipoprotein assembly. Mutations in MTP can cause abetalipoproteinemia. [provided by RefSeq, Jul 2008]



Product images:

Donor Vector Edited Chromosome



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