

Product datasheet for KN204142LP

OriGene Technologies, Inc.

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PRAME 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: PRAME Locus ID: 23532

Components: KN204142G1, PRAME gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN204142G2, PRAME gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204142LPD, 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 001291715, NM 001291716, NM 001291717, NM 001291719, NM 001318126,

NM 001318127, NM 006115, NM 206953, NM 206954, NM 206955, NM 206956

UniProt ID: P78395

Synonyms: CT130; MAPE; OIP-4; OIP4

Summary: This gene encodes an antigen that is preferentially expressed in human melanomas and that

is recognized by cytolytic T lymphocytes. It is not expressed in normal tissues, except testis. The encoded protein acts as a repressor of retinoic acid receptor, and likely confers a growth advantage to cancer cells via this function. Alternative splicing results in multiple transcript

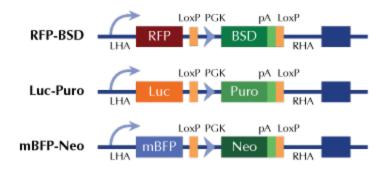
variants. [provided by RefSeq, Apr 2014]





Product images:

Donor Vector Edited Chromosome



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