

Product datasheet for KN310456RB

Mtap Mouse 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: Mtap Locus ID: 66902

Components: KN310456G1, Mtap gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN310456G2, Mtap gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN310456RBD, 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 024433

 UniProt ID:
 Q9CQ65

Synonyms: 1300019I21Rik; MSAP

Summary: Catalyzes the reversible phosphorylation of S-methyl-5'-thioadenosine (MTA) to adenine and

5-methylthioribose-1-phosphate. Involved in the breakdown of MTA, a major by-product of polyamine biosynthesis. Responsible for the first step in the methionine salvage pathway after MTA has been generated from S-adenosylmethionine. Has broad substrate specificity with 6-aminopurine nucleosides as preferred substrates.[UniProtKB/Swiss-Prot Function]

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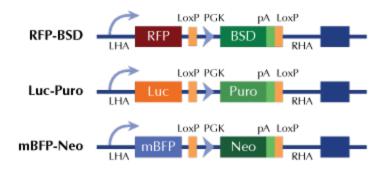
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Product images:

Donor Vector Edited Chromosome



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