

## 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:	<b>KN310456G1</b> , Mtap gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN310456G2</b> , Mtap gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN310456RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_024433</a>
UniProt ID:	<a href="#">Q9CQ65</a>
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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## Product images:

