

### Product datasheet for KN206024LP

# 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com

OriGene Technologies, Inc.

https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# **MTAP 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: MTAP Locus ID: 4507

**Components: KN206024G1**, MTAP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206024G2, MTAP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206024LPD, 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:** <u>NM 002451</u> **UniProt ID:** 013126

Synonyms: BDMF; c86fus; DMSFH; DMSMFH; HEL-249; LGMBF; MSAP

**Summary:** This gene encodes an enzyme that plays a major role in polyamine metabolism and is

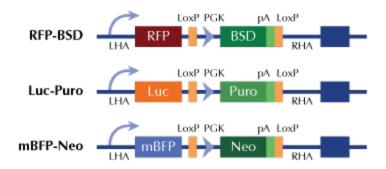
important for the salvage of both adenine and methionine. The encoded enzyme is deficient in many cancers because this gene and the tumor suppressor p16 gene are co-deleted. Multiple alternatively spliced transcript variants have been described for this gene, but their

full-length natures remain unknown. [provided by RefSeq, Jul 2008]



## **Product images:**

#### Donor Vector Edited Chromosome



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