

## **Product datasheet for KN205918LP**

#### OriGene Technologies, Inc.

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### HMG1 (HMGB1) 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: HMG1 Locus ID: 3146

**Components: KN205918G1**, HMG1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN205918G2, HMG1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN205918LPD, 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 001313892, NM 001313893, NM 002128, NM 001363661, NM 001370339,

NM 001370340, NM 001370341

UniProt ID: P09429

Synonyms: HMG1; HMG3; SBP-1

Summary: This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The

encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in

organization of DNA. This protein plays a role in several cellular processes, including

inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode

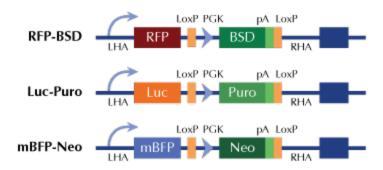
the same protein. [provided by RefSeq, Sep 2015]





# **Product images:**

### Donor Vector Edited Chromosome



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