

## Product datasheet for **KN205918RB**

### HMG1 (HMGB1) Human 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:	HMG1
Locus ID:	3146
Components:	<b>KN205918G1</b> , HMG1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN205918G2</b> , HMG1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN205918RBD</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_001313892</a> , <a href="#">NM_001313893</a> , <a href="#">NM_002128</a> , <a href="#">NM_001363661</a> , <a href="#">NM_001370339</a> , <a href="#">NM_001370340</a> , <a href="#">NM_001370341</a>
UniProt ID:	<a href="#">P09429</a>
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]



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**Product images:**
