

## Product datasheet for **KN203886RB**

### **c20orf72 (MGME1) Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
<b>Donor DNA:</b>	RFP-BSD
<b>Symbol:</b>	c20orf72
<b>Locus ID:</b>	92667
<b>Components:</b>	<b>KN203886G1</b> , c20orf72 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN203886G2</b> , c20orf72 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN203886RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
<b>Disclaimer:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001310338</a> , <a href="#">NM_001310339</a> , <a href="#">NM_052865</a> , <a href="#">NM_001363738</a>
<b>UniProt ID:</b>	<a href="#">Q9BQP7</a>
<b>Synonyms:</b>	bA504H3.4; C20orf72; DDK1; MTDPS11
<b>Summary:</b>	The protein encoded by this gene is a nuclear-encoded mitochondrial protein necessary for the maintenance of mitochondrial genome synthesis. The encoded protein is a RecB-type exonuclease and primarily cleaves single-stranded DNA. Defects in this gene have been associated with mitochondrial DNA depletion syndrome-11. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]



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## Product images:

