

# Product datasheet for KN202004LP

## PMM1 Human Gene Knockout Kit (CRISPR)

### **Product data:**

#### OriGene Technologies, Inc.

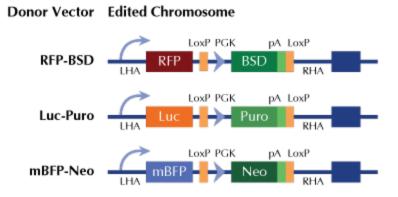
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	PMM1
Locus ID:	5372
Components:	<ul> <li>KN202004G1, PMM1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN202004G2, PMM1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN202004LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</li> <li>GE100003, scramble sequence in pCas-Guide vector</li> </ul>
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 002676</u>
UniProt ID:	<u>Q92871</u>
Synonyms:	Sec53
Summary:	Phosphomannomutase catalyzes the conversion between D-mannose 6-phosphate and D- mannose 1-phosphate which is a substrate for GDP-mannose synthesis. GDP-mannose is used for synthesis of dolichol-phosphate-mannose, which is essential for N-linked glycosylation and thus the secretion of several glycoproteins as well as for the synthesis of glycosyl-phosphatidyl-inositol (GPI) anchored proteins. [provided by RefSeq, Jul 2008]



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#### **Product images:**



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

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