

## Product datasheet for **KN300614LP**

### Abcb1b Mouse 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:	Abcb1b
Locus ID:	18669
Components:	<b>KN300614G1</b> , Abcb1b gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN300614G2</b> , Abcb1b gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN300614LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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:** [NM\\_011075](#)

**UniProt ID:** [P06795](#)

**Synonyms:** Abcb1; mdr; Mdr1; Mdr1b; Pgy-1; Pgy1

**Summary:** The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. This gene encodes a membrane glycoprotein which confers a multidrug-resistance phenotype. The protein encoded by the human gene is an ATP-dependent drug efflux pump for xenobiotic compounds which is responsible for decreased drug accumulation in multidrug-resistant cells and mediates the development of resistance to anticancer drugs. [provided by RefSeq, Jul 2008]



[View online »](#)

## Product images:

