

## Product datasheet for **KN220474LP**

### MR1 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:	MR1
Locus ID:	3140
Components:	<b>KN220474G1</b> , MR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN220474G2</b> , MR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN220474LPD</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\\_001194999](#), [NM\\_001195000](#), [NM\\_001195035](#), [NM\\_001310213](#), [NM\\_001531](#)

**UniProt ID:** [Q95460](#)

**Synonyms:** HLALS

**Summary:** MAIT (mucosal-associated invariant T-cells) lymphocytes represent a small population of T-cells primarily found in the gut. The protein encoded by this gene is an antigen-presenting molecule that presents metabolites of microbial vitamin B to MAITs. This presentation may activate the MAITs to regulate the amounts of specific types of bacteria in the gut. Several transcript variants encoding different isoforms have been found for this gene, and a pseudogene of it has been detected about 36 kbp upstream on the same chromosome. [provided by RefSeq, Jul 2015]



[View online »](#)

## Product images:

