

## Product datasheet for **KN305017LP**

### Eef2k 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:       | Eef2k   |
| Locus ID:     | 13631   |
| Components:   | <b>KN305017G1</b> , Eef2k gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN305017G2</b> , Eef2k gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN305017LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.<br><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_001251826</a> , <a href="#">NM_001267710</a> , <a href="#">NM_001267711</a> , <a href="#">NM_007908</a>  |
| UniProt ID:   | <a href="#">O08796</a>  |
| Synonyms:     | C86191; eEF-2K  |
| Summary:      | Threonine kinase that regulates protein synthesis by controlling the rate of peptide chain elongation. Upon activation by a variety of upstream kinases including AMPK or TRPM7, phosphorylates the elongation factor EEF2 at a single site, renders it unable to bind ribosomes and thus inactive. In turn, the rate of protein synthesis is reduced.<br>[UniProtKB/Swiss-Prot Function] |



[View online »](#)

## Product images:

