

## Product datasheet for **KN306057RB**

### Folr1 Mouse Gene Knockout Kit (CRISPR)

#### Product data:

|               |  |
|---------------|--|
| Product Type: | Knockout Kits (CRISPR)   |
| Format:       | 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control  |
| Donor DNA:    | RFP-BSD  |
| Symbol:       | Folr1  |
| Locus ID:     | 14275  |
| Components:   | <b>KN306057G1</b> , Folr1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN306057G2</b> , Folr1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN306057RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD 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_001252552</a> , <a href="#">NM_001252553</a> , <a href="#">NM_001252554</a> , <a href="#">NM_008034</a>   |
| UniProt ID:   | <a href="#">P35846</a>   |
| Synonyms:     | FBP1; Folbp-1; Folbp1  |
| Summary:      | Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. Required for normal embryonic development and normal cell proliferation. Required for renal folate reabsorption.[UniProtKB/Swiss-Prot Function] |



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## Product images:

