

## Product datasheet for **KN218736RB**

### SLC34A2 Human 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:       | SLC34A2   |
| Locus ID:     | 10568   |
| Components:   | <b>KN218736G1</b> , SLC34A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN218736G2</b> , SLC34A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN218736RBD</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:** [NM\\_001177998](#), [NM\\_001177999](#), [NM\\_006424](#)

**UniProt ID:** [O95436](#)

**Synonyms:** NAPI-3B; NAPI-I1b; NPTI1b

**Summary:** The protein encoded by this gene is a pH-sensitive sodium-dependent phosphate transporter. Phosphate uptake is increased at lower pH. Defects in this gene are a cause of pulmonary alveolar microlithiasis. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, May 2010]



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Product images:

