

## **Product datasheet for KN206029RB**

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### **SLC20A2 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: SLC20A2 Locus ID: 6575

**Components: KN206029G1**, SLC20A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN206029G2**, SLC20A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN206029RBD**, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, 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: <u>NM 001257180</u>, <u>NM 001257181</u>, <u>NM 006749</u>

UniProt ID: Q08357

Synonyms: GLVR-2; GLVR2; IBGC1; IBGC3; MLVAR; PIT-2; PIT-2; Ram-1; RAM1

**Summary:** This gene encodes a member of the inorganic phosphate transporter family. The encoded

protein is a type 3 sodium-dependent phosphate symporter that plays an important role in phosphate homeostasis by mediating cellular phosphate uptake. The encoded protein also confers susceptibility to viral infection as a gamma-retroviral receptor. Mutations in this gene may play a role in familial idiopathic basal ganglia calcification. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq,

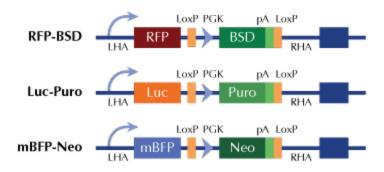
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# **Product images:**

### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter