

# **Product datasheet for KN215270RB**

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OriGene Technologies, Inc.

## **ATP13A2 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: ATP13A2 Locus ID: 23400

**Components: KN215270G1**, ATP13A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN215270G2**, ATP13A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN215270RBD**, 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 001141973, NM 001141974, NM 022089</u>

UniProt ID: Q9NQ11

Synonyms: CLN12; HSA9947; KRPPD; PARK9

**Summary:** This gene encodes a member of the P5 subfamily of ATPases which transports inorganic

cations as well as other substrates. Mutations in this gene are associated with Kufor-Rakeb syndrome (KRS), also referred to as Parkinson disease 9. Multiple transcript variants encoding

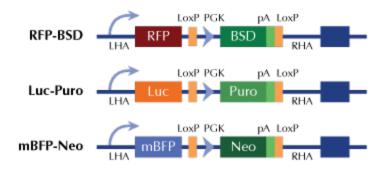
different isoforms have been found for this gene.[provided by RefSeq, Nov 2008]





# **Product images:**

## Donor Vector Edited Chromosome



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