

Product datasheet for KN218736BN

SLC34A2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo SLC34A2 Symbol: Locus ID: 10568

KN218736G1, SLC34A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN218736G2, SLC34A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN218736BND, donor DNA containing left and right homologous arms and mBFP-Neo

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: NM 001177998, NM 001177999, NM 006424

UniProt ID: 095436

Synonyms: NAPI-3B; NAPI-IIb; NPTIIb

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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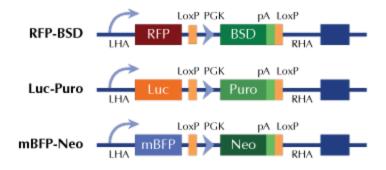
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Product images:

Donor Vector Edited Chromosome



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