

Product datasheet for **KN222743RB**

Sodium bicarbonate transporter like protein 11 (SLC4A11) 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:	Sodium bicarbonate transporter like protein 11
Locus ID:	83959
Components:	KN222743G1 , Sodium bicarbonate transporter like protein 11 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN222743G2 , Sodium bicarbonate transporter like protein 11 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN222743RBD , 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: [NM_001174089](#), [NM_001174090](#), [NM_032034](#), [NR_135000](#), [NM_001363745](#)

UniProt ID: [Q8NBS3](#)

Synonyms: BTR1; CDPD1; CHED2; dj794I6.2; NABC1

Summary: This gene encodes a voltage-regulated, electrogenic sodium-coupled borate cotransporter that is essential for borate homeostasis, cell growth and cell proliferation. Mutations in this gene have been associated with a number of endothelial corneal dystrophies including recessive corneal endothelial dystrophy 2, corneal dystrophy and perceptive deafness, and Fuchs endothelial corneal dystrophy. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]



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Product images:

