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Product datasheet for KN222743LP

Sodium bicarbonate transporter like protein 11 (SLC4A11) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
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)
	KN222743LPD , donor DNA containing left and right homologous arms and Luciferase-Puro 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 001174089, NM 001174090, NM 032034, NR 135000, NM 001363745</u>
UniProt ID:	<u>Q8NBS3</u>
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]



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US Sodium bicarbonate transporter like protein 11 (SLC4A11) Human Gene Knockout Kit (CRISPR) – KN222743LP

Product images:

Donor Vector Edited Chromosome RFP-BSD LoxP PGK pA LoxP LHA RFP BSD RHA Luc-Puro LHA Luc PURO RHA MBFP-Neo LHA MBFP Neo RHA

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

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