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Product datasheet for KN201009BN

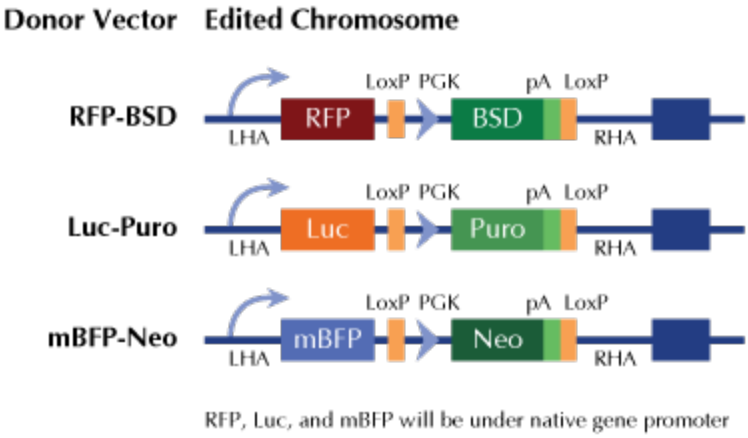
Sodium Potassium ATPase (ATP1A1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Sodium Potassium ATPase
Locus ID:	476
Components:	**KN201009G1**, Sodium Potassium ATPase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTGAGTGTCCGGCGCGCCCG **KN201009G2**, Sodium Potassium ATPase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAAGTCGGGAGGGCGACCG **KN201009BND**, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
RefSeq:	NM_000701, NM_001001586, NM_001160233, NM_001160234
UniProt ID:	P05023
Synonyms:	MGC3285; MGC51750
Summary:	The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes an alpha 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

View online »

Product images:



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