

Product datasheet for KN206029LP

OriGene Technologies, Inc.

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SLC20A2 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: SLC20A2

Locus ID: 6575

Components: KN206029G1, SLC20A2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206029G2, SLC20A2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206029LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001257180, NM 001257181, NM 006749</u>

UniProt ID: Q08357

Synonyms: GLVR-2; GLVR2; IBGC1; IBGC3; MLVAR; PIT-2; PIT-2; Ram-1; RAM1

Summary: This gene encodes a member of the inorganic phosphate transporter family. The encoded

protein is a type 3 sodium-dependent phosphate symporter that plays an important role in phosphate homeostasis by mediating cellular phosphate uptake. The encoded protein also confers susceptibility to viral infection as a gamma-retroviral receptor. Mutations in this gene may play a role in familial idiopathic basal ganglia calcification. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq,

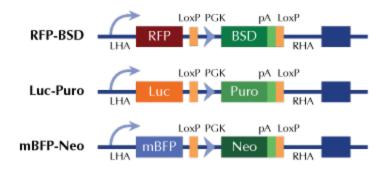
Mar 2012]





Product images:

Donor Vector Edited Chromosome



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