

Product datasheet for KN203650LP

OriGene Technologies, Inc.

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SLC25A22 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: SLC25A22

Locus ID: 79751

Components: KN203650G1, SLC25A22 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN203650G2, SLC25A22 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN203650LPD, 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 001191060, NM 001191061, NM 024698</u>

UniProt ID: Q9H936

Synonyms: EIEE3; GC-1; GC1; NET44

Summary: This gene encodes a mitochondrial glutamate carrier. Mutations in this gene are associated

with early infantile epileptic encephalopathy. Multiple alternatively spliced variants, encoding

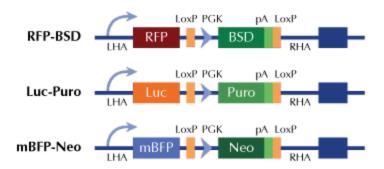
the same protein, have been identified.[provided by RefSeq, Jul 2010]





Product images:

Donor Vector Edited Chromosome



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