

Product datasheet for KN222922LP

OriGene Technologies, Inc.

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SLC15A1 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: SLC15A1 Locus ID: 6564

Components: KN222922G1, SLC15A1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN222922G2, SLC15A1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN222922LPD, 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 005073</u>

UniProt ID: <u>P46059</u>

Synonyms: HPECT1; HPEPT1; PEPT1

Summary: This gene encodes an intestinal hydrogen peptide cotransporter that is a member of the

solute carrier family 15. The encoded protein is localized to the brush border membrane of the intestinal epithelium and mediates the uptake of di- and tripeptides from the lumen into the enterocytes. This protein plays an important role in the uptake and digestion of dietary proteins. This protein also facilitates the absorption of numerous peptidomimetic drugs.

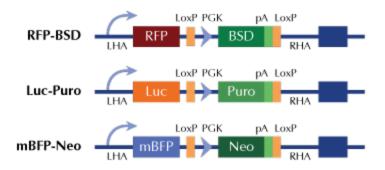
[provided by RefSeq, Apr 2010]





Product images:

Donor Vector Edited Chromosome



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