

Product datasheet for **KN216107**

SLC39A6 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: SLC39A6
Locus ID: 25800
Components: **KN216107G1**, SLC39A6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GACAGTGGTTGTACACAGTTG
KN216107G2, SLC39A6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGTGGTAGAAGGAATGTCA
KN216107D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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:

[NM_001099406](#), [NM_012319](#)

UniProt ID:

[Q13433](#)

Synonyms:

LIV-1; ZIP6

Summary:

Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]

Product images:

