

Product datasheet for KN209477RB

VGF Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA:

VGF Symbol:

7425 Locus ID:

KN209477G1, VGF gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN209477G2, VGF gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209477RBD, donor DNA containing left and right homologous arms and RFP-BSD

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: NM 003378

UniProt ID: O15240

Synonyms: SCG7; SgVII

Summary: This gene is specifically expressed in a subpopulation of neuroendocrine cells, and is

> upregulated by nerve growth factor. The structural organization of this gene is similar to that of the rat gene, and both the translated and the untranslated regions show a high degree of sequence similarity to the rat gene. The encoded secretory protein also shares similarities with the secretogranin/chromogranin family, however, its exact function is not known.

[provided by RefSeq, Jul 2008]



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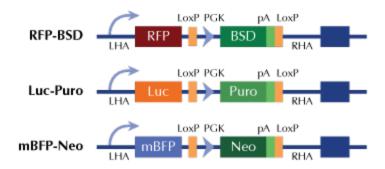
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Product images:

Donor Vector Edited Chromosome



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