

Product datasheet for **KN209477**

VGF 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: VGF
Locus ID: 7425
Components: **KN209477G1**, VGF gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTCTGCTGATCAACGGGTTA
KN209477G2, VGF gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGCGGAAGCCGACAATCTG
KN209477D, 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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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]

Product images:

