

## Product datasheet for **KN217885**

### SNF5 (SMARCB1) 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:** SNF5  
**Locus ID:** 6598  
**Components:** **KN217885G1**, SNF5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTTCTACATGATCGGCTCCG  
**KN217885G2**, SNF5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTTCACGGGCTTCTGCCCGA  
**KN217885D**, 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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 GGGGATCAT GTAACCTGCC TT

**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\\_001007468](#), [NM\\_001317946](#), [NM\\_003073](#), [NM\\_001362877](#)

**UniProt ID:**

[Q12824](#)

**Synonyms:**

BAF47; CSS3; hSNFS; INI1; MRD15; PPP1R144; RDT; RTPS1; Sfh1p; SNF5; SNF5L1; Snr1; SWNTS1

**Summary:**

The protein encoded by this gene is part of a complex that relieves repressive chromatin structures, allowing the transcriptional machinery to access its targets more effectively. The encoded nuclear protein may also bind to and enhance the DNA joining activity of HIV-1 integrase. This gene has been found to be a tumor suppressor, and mutations in it have been associated with malignant rhabdoid tumors. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]

Product images:

