

## Product datasheet for **KN212977**

### FNDC5 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:** FNDC5  
**Locus ID:** 252995  
**Components:** **KN212977G1**, FNDC5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCGCTGGTGCAGGCGGGTAA  
**KN212977G2**, FNDC5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCCAGGCGCTCGGCGACCCG  
**KN212977D**, 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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 GGGGATCATG TAACTCGCCT T

**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\\_001171940](#), [NM\\_001171941](#), [NM\\_153756](#)

**UniProt ID:**

[Q8NAU1](#)

**Synonyms:**

FRCP2; irisin

**Summary:**

This gene encodes a secreted protein that is released from muscle cells during exercise. The encoded protein may participate in the development of brown fat. Translation of the precursor protein initiates at a non-AUG start codon at a position that is conserved as an AUG start codon in other organisms. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

Product images:

