

## Product datasheet for **KN212231**

### SMARCA6 (HELLS) 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:	SMARCA6
Locus ID:	3070
Components:	<p><b>KN212231G1</b>, SMARCA6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTGAGGTGGGCAAGCATGG</p> <p><b>KN212231G2</b>, SMARCA6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGAGGAAAACCTTTGGGCG</p> <p><b>KN212231D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

#### 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\\_001289067](#), [NM\\_001289068](#), [NM\\_001289069](#), [NM\\_001289070](#), [NM\\_001289071](#),  
[NM\\_001289072](#), [NM\\_001289073](#), [NM\\_001289074](#), [NM\\_001289075](#), [NM\\_018063](#)

**UniProt ID:**

[Q9NRZ9](#)

**Synonyms:**

LSH; Nbla10143; PASG; SMARCA6

**Summary:**

This gene encodes a lymphoid-specific helicase. Other helicases function in processes involving DNA strand separation, including replication, repair, recombination, and transcription. This protein is thought to be involved with cellular proliferation and may play a role in leukemogenesis. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jan 2014]

Product images:

