

## Product datasheet for **KN200185**

### HIG2 (HILPDA) 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:       | HIG2  |
| Locus ID:     | 29923   |
| Components:   | <p><b>KN200185G1</b>, HIG2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTGTTGAACCTCTACCTGTT</p> <p><b>KN200185G2</b>, HIG2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCATCACTCTAACGAAGA</p> <p><b>KN200185D</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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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CGTTGCGCTC ACTGCCCGCT TTCCAGTCGG GAAACCTGTC GTGCCAGCTG CATTAAATGAA TCGGCCAACG
CGCGGGGAGA GCGGTTTTGC GTATTGGGCG CTCTCCGCTC TCCTCGCTCA CTGACTCGCT GCGCTCGGTC
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TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA
TTCAGCTCCG GTTCCCAACG ATC

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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\\_001098786](#), [NM\\_013332](#)

**UniProt ID:**

[Q9Y5L2](#)

**Synonyms:**

C7orf68; HIG-2; HIG2

**Summary:**

Increases intracellular lipid accumulation. Stimulates expression of cytokines including IL6, MIF and VEGFA. Enhances cell growth and proliferation.[UniProtKB/Swiss-Prot Function]

Product images:

