

## Product datasheet for **KN205909**

### HHLA2 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:	HHLA2
Locus ID:	11148
Components:	<p><b>KN205909G1</b>, HHLA2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CATGAGCACACAATGCAAGG</p> <p><b>KN205909G2</b>, HHLA2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACATCTCTGAGTGGATCTCA</p> <p><b>KN205909D</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
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 TTAATTGTTG CCGGGAAGCT AGAGTAAGTA GTTCGCCAGT TAATAGTTTG CGCAACGTTG TTGCCATTGC  
 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\\_001282556](#), [NM\\_001282557](#), [NM\\_001282558](#), [NM\\_001282559](#), [NM\\_007072](#),  
[NM\\_001370244](#)

**UniProt ID:**

[Q9UM44](#)

**Synonyms:**

B7-H7; B7H7

**Summary:**

This gene encodes a protein ligand found on the surface of monocytes. The encoded protein is thought to regulate cell-mediated immunity by binding to a receptor on T lymphocytes and inhibiting the proliferation of these cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:

